

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: rstuff@juno.com (William E. Smith)
Subject: [7563] "F" beacon on 7.039?
Message-ID: <19961231.072219.4303.0.rstuff@juno.com>

Hi gang,

This is my first post, hope I get it right.

For the last few months I have been hearing a slow (5 wpm) CW beacon signing "F" on 7.039. This early morning I heard a faint "C" beacon in the background also. These beacons are heard from this Mojave Desert QTH only during hours of darkness and the "F" beacon gets up to about S2 at times.

Does anyone have any information on these. Where? Why? Power? Antenna? etc.

Surely I am not the only one that hears them.

73 Bill

*****Willia
m
E. Smith WA6YPE (DM14)48788 Silver Valley
Rd. Fire-Ball #2Newberry Springs, Ca
92365 QRP ARCI # 3935e-mail
rstuff@juno.com FISTS #2096Voice (619) 257-3366
FAX (619)257-3196 QRP-L # 897

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Dave.Ackrill@westwood45.powergen.co.uk
Subject: [7595] 80M QRP Beacon
Message-ID: <961231202524Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB@MHS>

As I suspected, frequencies were hard to come by on 80M.

I finally landed on 3.576MHz after trying several frequencies and running 100 Watts just to make ABSOLUTELY sure that no one could say I didn't ask and listen first....

So, please take a listen and see if you can hear my 3W and low dipole (highest part only about 9 metres off the ground).

I suspect that it will be very good for high angle radiation and short

skip paths, but if anyone hears it please let me know. Even if you are only down the road.

Thanks de Dave (G0DJA)

P.S Beacon started at 20:00 GMT on 3.576 MHz

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: km1h@juno.com
Subject: [7522] : Re: QRO CB's and why QRPers should care
Message-ID: <19961230.221235.9895.37.km1h@juno.com>

----- Begin forwarded message -----

From: km1h
Subject: Re: QRO CB's and why QRPers should care
From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: jlarsen@attmail.com (James H Larsen)
Subject: [7605] a17fs/kh6 312200zDec96
Message-ID: <jlarsen3662227170>

Well, I put up a dipole for a bit. Still not much to hear. Sigh.

73,

Jim

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Scottae4vq@aol.com
Subject: [7528] Antenna Question
Message-ID: <961230232438_1789401262@emout01.mail.aol.com>

Group:

I need suggestions regarding my antenna situation.

The facts:

- 1) I live in an area with outdoor antenna restrictions(ie. NO outdoor structures)
- 2) My current set-up... QRP+ to MFJ tuner to a random wire strung in the attic about 25 feet above ground level
- 3) In 1996 with this set-up, worked 35 states and 10 countries
- 4) I work only QRP

The questions:

- 1) Is this the best antenna I can have for my situation ? (space available in attic length=30 feet, depth=25 feet, height=10 feet)
- 2) Does anyone have experience with tuned mobile whip type antennae like the Outbacker or the Spider Antenna mounted in an attic ? I know these need to be grounded if used with regular mobile-type mounts, but the Spider Company literature states that 2 Spiders joined together horizontally form a 'dipole' that doesn't require grounding. Either way, these antennae would fit my attic. What I really wonder is would my reception and signal quality improve with this type of antenna vs what I already have ? I don't want to invest about \$300 to find out that my tuned wire does just as well.

Thanks for your time. All input appreciated. Please respond direct if possible.

Have a safe and Happy New Year !

72's... Scott AE4VQ QRP-L #418
scottae4vq@aol.com

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: cjsterl@ix.netcom.com (Craig J. Sterling)
Subject: [7582] Antennas!!!!!!
Message-ID: <199612311919.LAA04593@dfw-ix3.ix.netcom.com>

Greetings & Happy New Year To All,

ANTENNA QUESTION: Which configuration will be the most effective for a center-fed wire 132' long and 65-70' high?

- 1) Center feed antenna with 450 OHM Ladder-Line directly into tuner or use a remote 4:1 balun outside window and use coax jumper to tuner, rather than struggle with trying to bring the 450 OHM thru a window?
- 2) Center feed antenna with 66' of 450 OHM Ladder-Line either terminated into a 1:1 balun or just simply attached to low-loose coax and coiled at point of attachment to form an FR Choke and then run into shack? tKing loose and dB gain into account, shouldn't example 2 provide for greater gain due to phasing & colinearity, especially on 80, 40 & 20 meters. THIS IS SCAREY...I'M IN SALES AND MARKETING!!!!!!!!!!!!!!!!!!!!
- 3) Any thoughts on using insulated antenna wire vs bare. L.B., our resident antenna "mavin" suggested no advantage due to a reduction in resonant freq due to lower velocity factor of the insulated wire. Doesn't acid rain and air pollution cause bare copper antennas to corrode thus building resistance and lowering efficiency? I live in an urban area with moderate pollution and have always felt my antennas

performed better when new and CLEAN! Shouldn't an antenna made from insulated wire also be quieter and last longer? I'm sounding like an advertisement for "Antennas West"! NOT!

Comments and thoughts are most welcomed...thanks,
Craig, AA3MD

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: pmk@juno.com
Subject: [7535] Anyone tried the Bose headsets on HF yet ???
Message-ID: <19961231.045623.8207.1.PMK@juno.com>

Has any pilots tried there Bose noise canceling headset on HF yet. A friend of mine had them in his airplane and was very impressed but that was even before I ever became a ham. They were silicone gell (Same as the breast implants) ear cushions and didn't even touch the ear what so ever. That was the first plus and my ears cant stand anything touching them especially after taking them off like a standard headset/hearing protection like the Dave Clarks.

I about had heart failure when I found out they only costed \$1000 buks and couldn't imagine how much they are now . But I'll have to say they were the most comfortable I have ever worn. I talked with one of the Bose reps at a major fly in and ask if they had any just for audio but they only have headsets with mic and amp only. hummm.

Just my thoughts on the headphones and still use the old aluminum tubeing Telex sets .

73 de Patrick KD40BQ

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From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: jerryh@webzone.net (Jerry Henshaw)
Subject: [7603] Attaching Wires to a Solar Panel
Message-ID: <01BBF732.19E84AE0@pm2.ppp36.webzone.net>

Hi Gang,

I need some help on attaching wires to a solar panel. I purchased the "one square foot" solar panel for American Scientific Surplus-

one small problem --- no wires to hook up to.

I have tried the following with little or no success:

1. Soldering to the thin metallic backplane doesn't work. All I did was melt through the thin layer.
2. I used small binder clips to hold down some thin copper strips over the exposed backplane and applied epoxy on top of the strips in hopes it would hold them in place --- the epoxy wouldn't stick to the plastic backing material!!

The above procedures has left voids in the thin metalize backplane as a memento of my ill-fated attempts of attaching wires.

Fortunately, the panel still works after all of my manhandling --- should of asked this group first!!! I even tried using some craft gold leaf (actually finely ground copper) paint --- there is no electrical conductivity with this stuff. I give up!!! Can anyone help me solve this problem before I totally destroy the poor solar panel.

Any help will be greatly appreciated.

73's

Jerry Henshaw
KR5L / QRP
jerryh@webzone.net

ARCI 9165, QRP-L 847, NORCAL 1999
49er, ARK 20, Wilderness Sierra, (Soon 38 Special)

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "Steve Hurst" <shurst@magiclink.com>
Subject: [7579] Chuck Olson
Message-ID: <199612311853.NAA207360@nss2.CC.Lehigh.EDU>

Thanks for the info. on Fair Radio Sales !!!!!!!

Happy New Yr. to all !! !!!!!!!

73,
Steve Hurst

KA7NOC (southern Idaho)
dit dit

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Ed Pacyna <pacyna@auratek.com>
Subject: [7568] Curtis Keyer Chip - Available
Message-ID: <9612311622.AA05793@galaxy.auratek.com>

There have been several posts recently looking for the subject part.

I have one available, new in original factory sealed package. Also have a printed circuit card for the keyer that appeared in the ARRL handbooks for about the last 10 years. Can also supply the components that are mounted on the board (for + keying line). The board is about 2" square (or less). The 8044 does not have the speed meter option. Would like \$20 + \$3 for ship via US Priority mail.

Ed, W1AAZ

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      T   E   C   H   N   O   L   O   G   I   E   S
      |
      Enterprise Workstation Connectivity
      |
      Ed Pacyna
      p:  (617) 290-4800 x142
      f:  (617) 290-4844
      e:  ed@auratek.com
      w:  http://www.auratek.com
*****

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From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "Steve Hurst" <shurst@magiclink.com>
Subject: [7553] Fair Radio Sales
Message-ID: <199612311024.FAA268623@nss2.CC.Lehigh.EDU>

Whats the address (snail mail) of Fair Radio Sales ?

I WANT A CATALOG ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !

Thanks :-)

73,
Steve

KA7NOC
dit dit

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: chuckolson@juno.com (Chuck Olson)
Subject: [7564] Fair Radio Sales
Message-ID: <19961231.091245.4871.0.chuckolson@juno.com>

Fair Radio Sales, Co.
1016 E. Eureka St.
P.O. Box 1105
Lima, OH 45802

419 227-6573 or 223-2196

mon-fri 9-5:30, sat 9-1

fax: 419 227-1313

email: fairradio@alpha.wcoil.com
home page: <http://alpha.wcoil.com/~fairradio/>

(Fair radio is on the internet? - I sure miss the old sale flyers with
the Dymo labeled headings!)

Best Regards,
Chuck Olson
WB9KZY
Jackson Harbor Press
Washington Island, WI

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: GREGOIRE@endor.com (ERNEST GREGOIRE)
Subject: [7565] final final Christmas fox report
Message-ID: <199612311533.KAA87036@nss2.CC.Lehigh.EDU>

Hello Gang,
I have changed some NR's ,and filled in some missing data, mostly
due to operator error,mine.

On December 24,1996 I logged the following stations.

Time	Call	RST	State	Name	NR
0100	WA9PWP	579	WI	PAUL	127
0103	N5ET	559	TX	BOB	124
0105	W2NRA	569	NY	ART	524
0110	AE4IC	579	NC	BOB	54
0013	K5RV	579	LA	BRIAN	324
0120	N6MM	569	CA	HARVEY	418
0123	W6ZS	569	CA	PETE	257
0125	KE4YH	559	FL	STEW	590
0128	K5ZTY	449	TX	BILL	473
0133	AA0XI	559	CO	MARSHALL	153
0137	NN9K	599	IL	PETER	05
0138	NI0A	339	MN	JOHN	689
0142	WA1VPB	449	NC	JOHN	5W
0144	AE4VQ	579	KY	SCOTT	418
0150	KE5TF	579	TX	LINDA	5W
0153	W5XE	559	TX	RAY	256
0156	K10J	579	TX	OJ	732
0201	AA2WJ	229	TX	DICK	5W
0207	NQ7X	339	AZ	FLOYD	343
0210	W9DZ	589	IN	ALLEN	112
0215	W5TFB	569	TX	JACK	282
0219	KK7BD	229	AZ	DAN	696
0222	WB9LKC	229	WI	RAY	86
0229	KB9IUA	229	IL	KEVIN	384
0234	AB5UA	229	OK	CLIFF	476
0238	W5FN	229	TX	TIM	589
0246	N4SO	449	AL	KEN	622
0249	KF8EE	579	OH	TED	302
0254	AB5OU	449	NM	TIM	73
0259	K0EVZ	229	MN	DOC	861

30 stations total

73 de AA1IK
Ernie

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
 From: Jim Hydzik <congress@magpage.com>
 Subject: [7559] First Week of FSFD Start Schedule
 Message-ID: <199612311406.JAA13875@alaska.magpage.com>

Hello ALL, (activity goals at <http://www.dancris.com/~ki7mn>)

The 50 States In 50 Days (FSFD) activity starts off Wednesday Jan 01. Below is a the schedule of States through Jan 08. We will attempt to provide digested schedules of states/times/bands/freqs. to help reduce message traffic to the reflector.

A few ops. are out on holiday vacations through 1/3-4/97 and will need to post to the group when they get home, and hopefully in time for all to read. Otherwise look for them on 40M on the scheduled night.

Jan. 01,	Wednesday	ALABAMA	KS4L, Randy	Noon->1:30 PM CST	14.057
				6->8 PM CST	7.037
				8->9 PM CST	3.557
			N4S0, Ken		
Jan. 02,	Thursday	ARKANSAS	W0LK, Bob:	2 PM->4 PM CST	14.058
				7 PM->11 PM CST	7.042
			N9ZZ, Bob:	4:30 AM->6 AM CST	3.560 (yes AM)
				7 PM->8 PM CST	3.560
Jan. 03,	Friday	ARIZONA	KC7NEV, Joe		7.036?
			W7KXB, Bill		7.039?
			KK7BD, Dan		7.042?
Jan. 04,	Saturday	COLORADO	AL7GQ, Geno		7.039?
			AA0XI, Marshall:	7->9 PM MST	7.037
			KB0VCC, Dale		7.042?
Jan. 05,	Sunday	CALIFORNIA	W6JHB, Jim:	10 AM->6 PM PST	10.110->10.118
			N6WG, Bob:	5->7 PM PST	7.035->7.045
			AC6KW, Jeff		7.037?
			K6LS, Phil		7.042?
Jan. 06	Monday	SPARTAN SPRINT,	no special FSFD state (work everybody)		
Jan. 07	Tuesday	CONNECTICUT	AA1MY, Seab:	9 PM->11 PM EST	7.042
				11 PM->Midnight	1.810
			(Actually Wed AM EST)	Midnight->1 AM EST	10.115
Jan. 08	Wednesday	DELAWARE	K3AS, Bill:	10->10:20 AM EST	7.042
				Noon->12:30 PM "	14.059
				1->1:30 PM "	21.059
				2-2:20 PM "	7.042
				9->11 PM "	3.556
		(3 ele. yagi on Europe)	KA3LLL, Jim:	7:30->9 PM EST	3.556
			K3QIO, Jim:	9->9:20 AM EST	7.042
				10->10:20 AM "	14.059

	Noon-12:20 PM "	10.115
	1->1:20 PM "	18.079
(Novice Band)	2->2:20 PM "	21.111
	9->11 PM "	7.042

>-----
 Most every sign-up came with a note saying they would go longer if busy.

CALLING CQ: A suggestion. If we call CQ WAS or WAS QRP de K6.... etc, we give those not on QRP-L an indication of what we're doing. FSFD type calling might be too cryptic for all but ourselves.

ALASKA & HAWAII: Jim-AL7FS/KH6 did arrive in Hawaii, is posting directly to the reflector and will be on through the first few days of the year. Watch the reflector and grab him when you can. Jim will activate ALASKA on a weekend after his return.

If you are on this list and haven't gotten an e-mail request from me regarding YOUR operating desires, just fill in the info here and reply.

Juno has been a mess for the last 3-4 days. I have suggested the 40M frequencies when not specified by the volunteer.

Anyone else want to sign-up, e-mail band/freq/time directly to:
 congress@magpage.com

Thanks for all the responses/encouragement and suggestions. Lets have a blast!

Remember that those getting back from a weeks vacation will have around 600+ messages to get through as they post their operating times. Patience for them please.

Jim K3QIO Wilmington, Delaware

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
 From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
 Subject: [7578] FOX
 Message-ID: <M1213557.001.ajv70.1.961231184018Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
 PRMD=MOT/ADMD=MOT/C=US/@MHS>

Paul:

Looked for you Monday evening but no luck. Couldn't even hear any other stans calling you. Pretty grim condx. Worked another CA station that evening, and he ahdn't heard anything either. Hope some of us CA types got through to you.

Hope things are better Wed evening. It's my turn in the barrel as first FOX for the new year.

Hope 01' Kenwood will hear your call booming through to CA.

72/73 and Happy New Year,
Bob N6WG and 01' Kenwood

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [7547] FOX First of New Year
Message-ID: <M1213118.003.9nht2.1.961231070106Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

I'm not sure how many folks will be able to read this Tuesday night, so will post now with a reminder later.

01' Kenwood has had so much fun chasing the foxes around the country, he wants to play too. So, Wednesday night, Jan. 1 (Jan 2 0400-0600 UTC), from 8 to 10 PM PST, 01' Kenwood will be baying his idea of a FOX call.

Look for us between 7035 and 7045 kHz. I have some local noise source that puts a band of white noise across approx. 7036 to 7038 at times. I'll pick as clear a spot as I can to let 01' Kenwood do his baying in the clear.

Looking forward to working all comers.

72, Bob N6WG (and 01' Kenwood)

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
Subject: [7532] FOXHOAX
Message-ID: <19961231045426.AAA24543@LOCALNAME>

There were NO FOXES tonite. I would have heard them if they were there. -esp. after spending 6+ hrs. tuning, pruning and clearing the 1400' loop and half-square antlers in freezing weather... all with the willing, (and expectant re FOX results after all my pleading), assistance and support of my better half. We combed the spots for both foxes for two ear-crunching hours and didn't even hear a call to one. I tell you it was one cruel hoax. =s=

(p.s. Advil, rum toddys and sex help a lot tho.)
"Seab" Lyon, AA1MY
Bethel, CT; FN-31-HJ;
ARCI#9253; QRP-L#574;
ARRL; QCWA; B.C.I.

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [7540] FOXHOAX
Message-ID: <961231053233_70511.3041_IHD25-1@CompuServe.COM>

Seab:

I never heard the FOX...but actually *did* QSO with Niel (WA7SSA, the N/T FOX) at 0309.

Condx were absolutely terrible here--lots of QRN and QRM. Did not even hear others calling Paul. Interesting. But Monte Stark said he heard a few guys working Paul, even if he could not himself hear Paul.

So it was not a hoax, but certainly disappointing. This is the second time in two weeks where I couldn't hear the FOX *or* any guys calling him. Hope 40 gets better soon!

Happy Holidays.

72/73,
--Doc/K0EVZ QRP-L #861

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: wa5whn@juno.com (Jay D Miller)
Subject: [7561] FYBO/QRPTTF in NM, aka QRP Field Days (Fun !!)
Message-ID: <19961231.081454.4551.0.wa5whn@juno.com>

QRP-Lers,

OK, since we are from New Mexico (home grown & educated), we had scouted out the sights, for these events in reverse order. We had driven out to the Corona Crash/Debris Field Site first, since it is only 112 miles SE of my QTH, as the crow flies. Hmmm, I should post the photos. This is for the NorCal QRPTTF in April, '97 (this year's theme is " UFO Crash sites & other strange places") & a Special Event (QR0) Station on July 6, 1997. W5BI & I had checked out the site. Not much activity, as far as Humans (Big Grin, pun intended), in the immediate area (lots of cattle, sheep & coyote activity), except someone, or something, had stacked numerous rocks, into a pile, on top of the bluff. We had even fired up the Icom 706, and despite the legend as to this site being a

black hole for RF, we had actually worked a few People. The 146.61 MHz repeater (W5YFN-no pl) on top of Capitan Peak covers this area nicely. We had even talked & visited with the International UFO Museum Personal, in Roswell, NM. The Museum had a full crowd. They are moving from their current location @ 4th St. & Main to a larger facility further south, in Roswell (Downtown). A very large event is being planned for July 4 -8, 1997 in Roswell (50th anniversary). The second site that we are looking at for QRPTTF, is over near the Plains of San Agustin (In NA5N's & N1IRZ's back yard, practically). (Suggested reading: "The Crash at Corona", by Stanton Friedman). If You are interested in the details about QRPTTF, send a SASE to WU7F (callbook address). We will probably use a vertical antenna (R-7000) at this site, since it is wide open, and next to nothing, in the way of vegetation. Hint: This is the desert, bring lots of water, and dress accordingly.

We have chosen a site up on Mt. Taylor for FYB0, in Feb.. This is a 11K feet (asl) extinct volcano, where 3 Amateur Radio Repeaters currently reside. This site is approximately 54 miles west of Albuquerque. After looking at the latest US Wx Map, all we will need is sun tan lotion, beach chairs, and bermuda shorts. All of the inclimate Wx is currently residing over the NW USA & ND. Our secondary site is our old ARRL Field Day site, @ 9.6K feet in the San Pedro Mountains, near San Gregorio Reservoir, 64 miles NW of my QTH. At either of these sites, we can put antennas up to 70+ feet. Let's find out what radios can stand (no LCD displays) the Wx here. To obtain more information about FYB0, contact KC7NEV (internet: vole@primenet.com).

A word of caution, FYB0 will not only test Your' gear, but You too. So, if You are not used to Snow/Cold/4WD/Shovels/Jacks, etc., please, stay at home & talk to us.

Happy '97...SKN this
evening...72...Jay, WA5WHN

Grid Square: DM65qd

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: The Whittemores <wb1edi@scoot.netis.com>
Subject: [7554] happy new year
Message-ID: <1.5.4.32.19961231112843.0068f928@scoot.netis.com>

happy new year to all qrp-l members from wb1edi and n1ozf and the rest of the whittemore family.

73/72
barry
wb1edi

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Graham Firth <Graham.Firth@btinternet.com>
Subject: [7576] Happy New Year
Message-ID: <199612311834.SAA04606@arachnid.btinternet.com>

Hi

This is my first posting to the list and I want to use it to wish everyone and their families a Happy New Year from Limey-land. I joined the list just before Dayton and FDIM, and when I came to Dayton, I was almost a stranger but I was made welcome by all those I met. I think it helped to break the ice being with the Rev. George and Dick at the G-QRP booth together with another newbie - Tony (G4WIF). Since then, all the contributors to this list seem to have become familiar friends that I can't wait to meet again at FDIM in 1997. Yes friends, I enjoyed it so much that I've saved up, Tony has made all sorts of rash promises to his lovely wife, Ruth, and we're coming again. Both wives have reminded us many times that 1996 was to be "The Trip of a Lifetime", but we think they've relented now. Thanks to Doug's timely information on the list, we've ordered our 38 Special, TiCK chips and Rainbow Tuner kits & we hope to be bringing them with us. So, US & UK postal services willing, there will be UK built models coming with us to hopefully take at least one of the prizes in the hospitality suite.

Finally, I hope everyone had an enjoyable and peaceful Christmas, and I hope that 1997 will bring you and your kin, good health and happiness.

See you in May!

72/3
Graham
G3MFJ/KC7LLX

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "Floyd Soo, W8RO" <hires@rust.net>
Subject: [7610] Happy New Year!
Message-ID: <32C9CE40.3477@rust.net>

I just wanted to say have a Happy and Safe New Year to all my friends on the QRP-L reflector!

--

72,

Floyd Soo, W8RO (ex KF8AT)

President, HI-RES Communications, Inc.

Net Manager and Board Member, Collins Collectors Association

QRP-L #392

hires@rust.net

<http://www.rust.net/~hires>

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: NilsBull@aol.com

Subject: [7521] Headphones, heptodes and hepcats...Or something

Message-ID: <961230215258_237673025@emout14.mail.aol.com>

I just wanna waste time and offer my suggestion for the best damn headphones that I've ever rested on my much abused cranium. They're green. They ain't light. They ain't really super cheap. But they're solid, medium impedance, perfect for sitting around the shack listening to teensy-weensey signals. And I have three pair, one pair so old that my greasy skin oils have pretty well destroyed the spongey ear cushions what came with 'em. But I buy a new set every couple years just to keep the stock rotated.

Fair Radio Sales has 'em. They're about \$18 a pair. "Headset Electrical - H140B/U -- Astrocom -- DAAB05-67-C-2964" is what the military ID tag on 'em says. If I had the FRS catalog I'd give you the info complete. But then, this is the age of modern technology. You can get the number from directory assistance and call 'em up and ask about 'em. Good phones. And no hum like them 8 Ohm puppies from Radio Shack.

73

Nils

WB8IJN +c

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: Monte Stark <ku7y@sage.dri.edu>

Subject: [7591] Jan Quarterly

Message-ID: <Pine.SUN.3.90.961231120404.1087C-100000@vortex.sage.dri.edu>

Hi All,

Just got the first note from someone who received their
Jan 97 Quarterly!

Looks like another one on time! Thanks to the fine QRP

ARCI Quarterly staff! You guys are great!

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [7589] LAB TEST: MXM Emergenceiver
Message-ID: <199612312003.NAA09703@zia.aoc.nrao.edu>

LAB TESTS FOR: MXM Emergenceiver 40M Transceiver

FROM: MXM Industries (Bruce Williams, WA6IVC)
Rt. 1, Box 156C
Smithville, TX 78957

A Little History ...

There was an article in the May 1994 WorldRadio about how there was a lack of small transceivers for emergency use, such as the famed WW-II "Gibson Girl." At Dayton 1994, Bruce Muscolino W6TOY approached WorldRadio editor Armond Noble and pointed out there were gobs of emergency radios around called QRP. Eventually this led to designing a small radio of the "Gibson Girl" variety. Bruce Williams at MXM was contacted about designing it, which he did. He called it the "Emergenceiver" and was first published over a year ago in HAMBREW magazine. It is now available as a kit, complete with external controls and the enclosure for about \$50. Contact MXM for details.

The "Gibson Girl" was an emergency transceiver placed in lifeboats and aircraft during WW-II. It was bright yellow and had curved sides to hold between your legs while you turned the generator crank. Most military and maritime communications are duplex, that is, for 2 way communications, you use one frequency for transmitting and another for receiving. Most transceivers for this purposes consisted of a crystal controlled transmitter and a variable tuned receiver. The "Emergenceiver" is designed after this approach.

One doesn't have to hold it between their legs however, as it comes with a small 1.5x4x4 enclosure. I mounted my Emergenceiver PCB inside the enclosure to give room (barely) for a 9v battery. The battery powers the receiver only the way I built mine. The Emergenceiver is intended to operate off of +12v, such as to keep in your glove compartment and

plug into the cigarette lighter if you are on the road and an emergency comes up (like time for the FOX or something -hi). It uses a 2SC299 for the PA for about 1.5W out.

RECEIVER:

For its simplicity, it is a very nice receiver on 40M, for which Bruce at MXM is well known for. He uses an NE602 for the mixer and another one for the product detector. It is a superhet with a 455 KHz IF and IF filtering is afforded by a single 455 KHz ceramic filter. The bandwidth is kinda broad at 3.5 KHz, but some audio filtering following the product detector brings it down some more. The input filtering and VFO coils use a 10.7 MHz IF transformer with shunt capacitance for the 7 MHz resonance. Both peak up very nicely. The VFO range, as adjusted by this "IF can" is about 2 MHz (about 6-8 MHz), but once set to the operating frequency, say 7.040, it is fairly stable. Actual VFO tuning is done with a tuning diode (varicap). Mine tunes from 7.015 to 7.055 (the range I chose). The output of the product detector is fed to the LM380N8 audio amplifier differentially, which picks up 6dB gain over the standard single-ended approach, plus there is a filter for 700Hz on each leg. There is a fair amount of audio with headphones (have not tried attaching a speaker) with good CW tones, but the bandpass is a bit wide if 7.040 is really congested. The audio quality is very good. The 455KHz IF scheme works well, and in spite of the difficulty achieving the narrow bandwidths us QRPers are used to with the higher frequency IF's, this receiver surprised me with an MDS of -130dBm. What would it do with a 500Hz filter? Woah.

TRANSMITTER.

The transmitter is totally separate from the receiver. It consists of a 7.040 MHz crystal which is pulled by a trim cap about 5 KHz. A slide switch applies DC power to either the receiver or the transmitter, in addition to switching the antenna. I wired mine so the receiver stays energized at all times for stability and for spotting the transmit sidetone. In transmit, the receive antenna is grounded, which seems to provide a comfortable level of transmit power to monitor your keying. There is one toroid to wind for the output filter; the other coil, a transformer coupling the 7.040 MHz oscillator to the 2SC299 PA, is also a 10.7 MHz IF can shunted down to 7 MHz. It is adjusted for maximum energy transfer and harmonic purity. Mine puts out about 1.5W with the 2nd harmonic -26dBc. The scheme of using 10.7 MHz IF transformers in both receiver and transmitter makes it easily adaptable to both 20 and 30M by simply adding the appropriate capacitor to shunt the 10.7 MHz L-C. The output filter is different, but this information is contained in the instructions from MXM. I built the 40M version. Bruce provides the crystal for the band of choice.

Board assembly time was about 2 hours. I spent much more than that on the rest of it, since I got carried away and painted the enclosure,

applied rub-off letters, etc. It was fun building the rig into the tiny enclosure provided. It fits into my coat pocket easily.

I've had 2 QSO's on it, to Scottsdale, AZ and San Diego, CA from Socorro, NM using my inverted vee. It does bring back memories of my old Novice days in spotting your transmitter with your receiver. I have a couple of photos of how I built mine, plus a schematic marked up with typical voltages and o-scope waveforms, etc. I'd be glad to send to anyone interested in the Emergenceiver. (SASE appreciated).

GL es 72,
Paul NA5N

PS - MXM Industries also provides a kit for a dual-conversion QRP rig that has a reputation for being an excellent rig. I'll be building one very shortly and will post the results of that kit endeavor and the lab tests. For those not familiar with MXM, I don't want to accidentally imply the above measurements on the Emergenceiver is the dual-conversion QRP kit you might have heard of.

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [7590] LAB TEST: NorCal 38 Special
Message-ID: <199612312004.NAA09708@zia.aoc.nrao.edu>

LAB TESTS FOR THE NORCAL "38 SPECIAL" PROTOTYPE

QRP KIT FROM: NorCal QRP Club

A Few Comments with the lab tests following.

Doug Hendricks KI6DS sent me the prototype kit of the 38-S, which I received Dec. 24th and built Christmas Day. It consisted of the PC board and most major components. Since NorCal is awaiting the rest of the parts to arrive, I did have to scrounge some of the parts, but managed to find exact values. My PCB (the prototype) did not have the parts masking on it as will the kit units have. Be thankful for that ... with no silk screening, you start out not having a clue what holes C11 goes into -hi. Board assembly time was about 3.5 hours; there are 4 toroids to wind. When done, I counted 93 parts on the board. Only external parts required is the RF gain (1K pot), the TUNE control (100K pot), and desired connectors for the antenna, phones, key and power. All connections to the board are made to numbered holes along the side of the board; the holes are on the board for the Tick Keyer chip from Embedded Research, the 5W IRF510 mod, the RIT and the extra IF filter crystal. I was not given any info on incorporating these mods, however. I was told to build my prototype "stock" and leave it that way. Thus, the following measurements are based on the stock kit. Ori said he mailed me the info on the 5W IRF510 mod, so hopefully they'll let me add that before long.

SIGNIFICANT SPECIFICATIONS:

Tuning Range: 10.110 to 10.133 MHz (23 KHz)

Type VFO: VXC0; 22MHz crystal, VVC tuned (with 1N4004 diode)

MDS: -128dBm

IF & IF Filter: 12MHz IF; single 12MHz crystal filter

Dynamic Range: 90dB

Selectivity: -6dB BW: 190 Hz (Includes the on-board CW audio filter)

-12dB BW: 390 Hz

-30dB BW: 1.5 KHz

LSB Rejection: -12dB (see note 1)

Receive Current: 38mA (see note 2)

Output Power: 400mW (+26dBm) into 50 ohm resistive load

350mW measured on a 30M inverted vee

Harmonic reject: 2nd harmonic at -16dBm or 42dBc below fundamental

NOTE 1: There are holes on the board for adding a toroid and second IF filter crystal to lower the LSB rejection. I have not added this to the prototype yet to measure its effect.

NOTE 2: 38-S is powered off of +8v from a T0-220 7808 (off +12v in). The 7808's had not come in yet when they sent me the prototype. I made +8v with a zener and series-pass transistor, which likely elevates the receive current a few mA.

IF FILTER -6dB bandwidth is about 1.4KHz (Noise) and 1.0KHz (CW input)

from the stock single-crystal filter.

AUDIO FILTERING/AMPLIFIER uses the NE5532 dual audio op amps. The two sections make for a surprisingly tight filter. If you're not a fan of audio CW filters, this circuit will change your mind.

There was lots of discussion with Ori about whether the 200Hz bandwidth was accidental or typical. The other three prototypes built by others yield very similar results. I therefore offer the numbers I recorded in determining the selectivity so those who build it can compare with their results. (And please post what yours does).

Bandwidth	low freq.	hi freq.	Bandwidth	
-----	-----	-----	-----	
-3dB	650 Hz	770 Hz	120 Hz	Resulting audio frequency at output with RD signal generator at -100dBm.
-6dB	620	810	190	
-12dB	520	910	390	
-30dB	90	1610	1520	
-----	-----	-----	-----	

A FEW SOAPBOX ITEMS:

1. There has been some circuit/component changes to improve performance that do not appear on the NorCal web page or Winter QRPP article.
2. The 38-S is kinda different in that it uses a common NE602 for both the Product Detector and the Transmit Mixer, with CD4066 analog switches doing the signal switching between XMIT and RCV. I measured less than 0.2dB loss through these switches. The scheme works nice.
3. At the upper end of the tuning range (10.130) are those RTTY stations. I found those to be excellent for aligning and checking the receiver. At midnight, those RTTY stations produced 150-200mVpp audio output when the tones were centered in the CW filter passband.
4. Hardcopy plots were made of the IF and audio filtering, output spectrum, etc. I'll be sending these to Ori and Doug for inclusion into a future QRPP or on the NorCal web page if they want.
6. I'll re-do some of the tests when I do the 5W IRF510 mod. Then, I'll go on 30M early evening some night in conjunction with the FOX hunt or something if you want your first chance to work a 38-S.

Nice quality board and parts, worth well over the \$25. For those who have already ordered the 38-S, I think you'll be pleasantly surprised at its performance and will find it a real working radio.

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [7587] LAB TESTS: Read Me 1st
Message-ID: <199612312002.NAA09692@zia.aoc.nrao.edu>

COMMENTS ON THE LAB TEST PROCEDURES

I have been in a building mode lately, finishing the MXM Emergenceiver, the prototype of the NorCal 38-Special, got a replacement mixer so I can finish the Hands GQ-20 (from Kanga U.S.), and looking forward to building the MXM dual-conversion QRP rig I've heard so much about.

There are two lab tests/comments on the MXM Emergenceiver and the NorCal 38-S following in separate posts. As with the other lab tests posted on other QRP rigs, the data is provided as an information service and not intended to compare one rig with another. Like buying a new car, you might find the sun-roof feature more important than the 400 horse power in another car. Each QRP rig/kit has its own merits, and perhaps more importantly, their own character and personality. Each one is fun to build, operate and test in the lab. I haven't met a QRP kit yet I didn't like. (Well, except for that Ramsey thing!).

I try to be independent and unbiased. My measurements are open to your scrutiny. If you have the means to make these measurements, then by all means do so and post it to QRP-L. Just remember, usually tests are performed on a sample of ONE ... it might be an exceptional unit, it might be a mediocre one. Some of the procedures for performing these measurements are discussed below, as requested following the last batch of lab tests I posted.

COMMENTS AND PROCEDURES for those so interested:

MDS (MINIMUM DISCERNABLE SIGNAL) was measured with an H-P 8657B signal generator with output attenuator. Applied signal was set to cause a 700Hz audio note, which was monitored on earphones and on a 7L5 low frequency spectrum analyzer. Power is decreased to the lowest level discernable by my ear and confirmed on the 7L5 as audio power within 3dB of the noise floor.

MDS is defined as:

$$\text{MDS(dBm)} = -174\text{dBm} + 10\log\text{BWn} + \text{NF}$$

Where,

-174dBm is the noise power of a perfect receiver at room temperature with a 1Hz bandwidth. (i.e., the starting point)
10logBWn is the noise bandwidth of the receiver, which means primarily the noise bandwidth of the IF and audio filter combination.
NF is the noise figure of the receiver, which for most QRP rigs with

an NE602 mixer, is in the order of 25-35dB.

To properly compare the the MDS of one receiver to another, the measurement MUST be performed at the same filtering bandwidth due to the $10\log B W_n$ term. The narrower the filtering, the better the MDS will be. It is difficult to measure the MDS of a QRP rig on any comparative level, since they will all have different filter bandwidths. However, as a general rule, any MDS around 100dB will be at the noise floor of 40M; better than that, the better the ability to hear weak signals not much above the noise. The MDS of the NE602 is about -118dBm; therefore, any MDS measured on a QRP rig with an NE602 mixer better than -118dBm indicates a degree of pre-filtering and IF/audio filtering. Most commercial ham gear has an MDS of around -130dBm.

FILTER BANDWIDTH is measured in two ways.

FIRST is connecting a DVM or power meter to the audio output and injecting a signal generator to the antenna input around -80 to -100dBm to produce a good, measurable audio output voltage. The receiver is tuned to the signal generator signal for maximum audio output reading. (The audio frequency is then measured on a spectrum analyzer or frequency counter to determine the center frequency of the audio filtering). The signal generator frequency is recorded. This maximum output becomes the 0dB reference of the filter. The signal generator is then moved both lower and higher in frequency until the audio output is exactly half, or 6dB less, than the peak 0dB reference point. The difference between these two frequencies is the -6dB filter bandwidth. The same procedure is repeated for -12dB, -30dB and -60dB (if possible) to determine the overall filter shape. With low frequency spectrum analyzers, the tracking generator output can sweep the IF frequency in synchronization with the spectrum analyzer sweep to "paint" a picture of the IF response. However, injecting noise (see below) is easier and more accurate.

The SECOND METHOD is to inject a calibrated noise source into the antenna terminals of the QRP rig. The noise, being random noise from DC to some frequency well above the RF frequency of interest, is mixed in the mixer just as an RF signal is. A spectrum analyzer is placed on the IF filter output, just before the product detector. This method "paints" a perfect picture of the filter bandwidth and the skirts. In my case, I used a Wavetek noise source with -67dBm output and a combination of H-P 355D (10dB) and 355C (1dB) step attenuators to vary the input noise level to the receiver. A Tektronix 2710 spectrum analyzer was used, since it has the IEEE-488 bus to drive an external plotter to make a hardcopy of the spectral display. The same procedure is followed through the audio filter for the composite filter bandwidth.

Using the noise method, the audio filtering is still checked by injecting a CW signal and recording the -6, -12 and -30dB bandwidths.

OUTPUT HARMONICS is measured on a spectrum analyzer by sweeping a range of frequencies to include the fundamental, 2nd, and 3rd harmonic. The transmitter is connected to a dummy load through a Mini-Circuits 20dB directional coupler, with the coupled output driving the spectrum analyzer. This is to ensure the RF front-end of the spectrum analyzer input power (20dB max) is not exceeded. (I don't want to have to buy this place a new \$35,000 spectrum analyzer!). The TEK 2710 spectrum analyzer was also used and hardcopy plots made. Due to the external 20dB attenuation, 0dBm on the spectrum analyzer is now actually +20dBm, but the difference between the fundamental and harmonics does not change. Furthermore, the TEK 2710 has two independent markers, which indicates on the screen and the hardcopy plot the absolute dBm and the difference in dB's.

Other tests, such as determining the 1dB gain compression, dynamic range, overall receiver gain, etc. is performed in similar fashion using the same test equipment. Unless otherwise indicated, two tone IMD tests are not generally performed. Since this is a function primarily of the mixer, and most QRP rigs use NE602's, the intermodulation and 3rd order intercept points change little from one rig to the next.

A Fluke 8920A Digital True RMS Voltmeter/Power Meter was also used in parallel to the spectrum analyzer for verifying the power levels and tuning for the "peak."

GL es 72, Paul NA5N

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Rick Sealey <rsealey@InfoAve.Net>
Subject: [7519] LM373
Message-ID: <1.5.4.32.19961231023627.0066b530@mail.infoave.net>

Howdy gang...

Once upon a time, in the early days of multifunction linear IC's, there was a chip featured in the National Semiconductor Linear Data book, and the 1975, '76, '77 ARRL Handbooks - the LM373, now long discontinued but not too long ago still available from Jameco (James Electronics). This was an AM/FM/SSB strip with mixers, agc, and a detector stage. I threw together a couple of breadboard circuits, in those olden days, and met with some success, but didn't carry it further to a "gold" project. I do remember that it was pretty easy to toss something together and make it work.

Anybody out there ever mess with this thing; know what its pros and cons are? Seems to me that if there are still some available, it might be

worthwhile to experiment with, and offer the homebrewers a little something different after that first NE602 stage.

Any comments?

72,
Rick - KI4PZ

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: kimitsuka_glen <glenk@dsg.tandem.com>
Subject: [7571] My Shack Clean Up Update
Message-ID: <9612311731.AA19749@sid1.dsg.tandem.com>

Hi All!

Several of you have inquired about the Bird RFS Slug. So I dug it out last night.

The proper name would be "BIRD Relative Field Strength Element", Model 4030, S/N 2XXX. It inserts into the Mdl 43 exactly like any other element. The body that holds the active electronics is contained in a 1 1/2" dia., X 1/2" thick disk that protrudes outside the meter, whereas the normal element is relatively flush with the front surface. It has a variable Gain pot and a fixed 7" rubber ducky. The "element" portion(part the plugs into the 43) holds 3 2032 Li batteries. This is how I probably managed to buy this for \$25 at a swap meet. The RFS didn't work well at all becuz the batts were dead. The original owner didn't know that it was an active element....The 3 Li batts are cleverly hidden in the body and I don't know of many who dare to take their elements apart!

I've played with it using 2mtr and 440 within the proximity of my room. On HF, I've keyed up my xmtr, varied power and the RFS displays accordingly. Otherwise, I haven't really put it to any real testing.

The other items, MXM TRX-40, Heathkit IB5281 and MFJ247, I have multiple offers and are more than likely, sold.

Tnx for the help cleaning my shack, and Happy New Year!

Glen K6GK

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: nskousen@scientechn.com (Niel Skousen)

Subject: [7542] N/T Fox Rpt

Message-ID: <199612310557.WAA19428@eaglerock.if.sciencetech.com>

Thanks to everyone for a great night, even though I forgot to send the notice till this afternoon :-(!

I Tried again to handle two calls, this time I got both calls but when I got back to the second he was gone. I would like him to get credit since it was a clean copy with heavy QSB. He would have been there long enough for the exchange if he'd not had the good manners to stand aside while another ham got the contact.

Another station tried for 12 min to make the qso, but I just could not pull enough out to count, sri ! still need to get the other ant's up !

Finally had to move @ 0340, the 40m BCI was S9++, and I could not pull anything else out. Joe's was very tough w/ BCI & QSB.

I'm behind 3 nites for QSL's. Have not forgot, and should have them all out this week (I'm taking the stuff on Vac/Work tvl with me)

It seems Murphy lives, I am having some sked prob's w/ both my Jan N/T Fox nites. Will be posting remedies in advance here, but will be tough.... I leave tomorrow and the closest I'll be till Feb will be HI, tvl is all over but NOT close...

TNX agn everybody for supporting us N/T types... WHAT A HOOT !!!

72 es CUL

Niel

<dit> <dit> <dit>

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7.112.5

0212	W6JHB	339	339	JIM	CA	596	
0216	W7GUN	339	448	ROG	NV	849	
0222	N0UVR	449	339	DAVE	CO	09	
0240	K1MG	449	559	MIKE	CA	614	
0246	WA7MIG	339	449	---	--	66?	QSB GOTCHA
0259	W6SIY	449	339	KEITH	CA	675	
0303	KC7HCO	489	--	--	--	--	STRONG SIG. DISAPPEARED
0303	W5TFB	339	---	----	--	---	STOOD BY FOR KC7, QSB, NEVER RTN'D
0311	AB7ST	449	559	BOB	UT	129	
0315	K0EVZ	229	329	DOC	NM	861	
0321	K??PN?	118	---	---	--	---	
0329	NQ7X	449	559	FLOYD	AZ	343	
0332	KC7NEV	339	449	JOE	AZ	191	

7.123.0

0342	W7JDZ	5NN	5NN	MAC	ID	1W	
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Thanks again all for your patience and a very fun time

72
dit dit dit
Niel

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Jim Bennett <jbennett@ebmud.com>
Subject: [7525] N/T Fox; Monday night
Message-ID: <32C88D1C.4DE9@ebmud.com>

Wow - that was a tough one tonight!!!

Niel, I could barely hear you through the garbage on frequency.
I have what sounds like B-29s all over forty meters; they seem
to slowly cruise down the band and appear about every 20 KHz or
so. Dang if there wasn't one right on 7.112 tonight.

Didn't hear any other stations calling yoou, but with that QRN
I was lucky to even hear you! Tnx for the contact..

72, Jim.

```
/-----\  
|                Jim Bennett / W6JHB                |  
|                jbennett@ebmud.com                  |  
|                Martinez, CA                        |  
|_____|  
|  NWQRP # 431    QRP-1 # 596    ARRL Life Member  |  
\-----/
```

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Joe Everhart <n2cx@voicenet.com>
Subject: [7558] NJQRP list subscription
Message-ID: <199612311449.JAA13975@mail3.voicenet.com>

Gang,

Please excuse the bandwidth, but....

Someone sent me an e-mail asking if NJ-QRP had an e-mail reflector and how to subscribe to it. In a fit of message deletion dementia, I discarded the baby along with the bath water! Sorry about that.

The answers are:

1.) Yes, we do have an e-mail reflector! (We also have a web page but it is about to move, so stay tuned for more info.)

2. To subscribe to the NJ-QRP reflector send the message:

subscribe nj-qrp

To the address:

majordomo@nicol.ges.com

You should get a message back saying that you are subscribed.

3. To send e-mail to the NJ-QRP reflector, address it to:

nj-qrp@nicol.ges.com

And that's all there is to it!

As I mentioned earlier, the NJ-QRP web page will soon move. We will give the new address on qrp-l and the nj-qrp email reflector. As you might expect, it **will** be new and improved!

72/73,

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com

home: n2cx@voicenet.com

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: "David D. Meacham" <ddm@datatamers.com>

Subject: [7543] No FOX heard

Message-ID: <Pine.LNX.3.91.961230215615.18212A-100000@dt1.datatamers.com>

Gang,

I listened carefully for 2 hours & heard nothing of W8KC nor anyone calling him! Between .035 & .040 I heard Digital stuff at about .036, the "S" beacon at about .038, SSB and teletype at about .039, and lots of

"local" QRM. BTW, .040 to .045 was relatively clear here, as usual. Is this area a problem in other parts of the country?
72, Dave, W6EMD

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>
Subject: [7562] NORTEX Meeting Invitation
Message-ID: <199612311517.JAA03293@spd.dsccc.com>

Gentlemen and fellow QRP'ers,

You'all are invited to the next meeting of the North Texas QRP Society (NORTEX) this Saturday the 4th of January 1997 at 10:AM. This meeting will be informal (all NORTEX meetings are informal). The meeting will be at the SGI Training facility at 6200 LBJ Freeway. This is about 200 yards East of Preston Road.

If you have any new equipment or projects to show, please feel free to bring them.

Most NORTEX meetings are followed by a BBQ lunch.

72s, Charles Cashion, W5ISZ, QRP-L#76

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "Phil Sikes" <psikes@whidbey.net>
Subject: [7549] NW Snow storm
Message-ID: <199612310738.XAA16223@islander.whidbey.net>

Well, living in the islands does have its advantages. We still had over 2 feet of snow out here on Whidbey Island, WA, but we missed all of the ice that they had in Seattle. I couldn't get out of the house from thursday night until monday morning. Our snow removal equipment here on the island consists of a bag of Morton salt and 2 snow shovels. This was the most snow I have seen in the 20 + years that I have lived here. The antennas all survived but I couldn't turn the roof mounted quad due to the snow buildup. The Butternut vertical was way out of tune since it is ground mounted and the snow drifts went quite a ways up (nearly reached the 75 meter coil). It was kind of nice getting to stay home and play radio for those days. CU on the bands es 72..

Phil
Phil Sikes - KJ7NS
ARCI #9196 - QRP-L #528
FISTS #2602 - NW QRP #412

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [7530] Oops; N/T Fox TONITE !!
Message-ID: <961231043455_70511.3041_IHD40-2@CompuServe.COM>

Niel:

Well, success tonight! It was just *great* to work you at 0309 12/31/96 at 7122.8, with RST 329. You were doing a great job.

I have always appreciated your excellent operating procedures. Wish more hams took care of their business as professionally and efficiently as you. Wherever you learned, you got it right! This is an OT talking. Am 54 years old, and been a ham for 36 years.

So...thanks again for digging me out of the QRN. Sorry I could not give you better than a 329...but condx were terrible. Was using my MFJ Optimizer CW/SSB filter and tuning carefully to dig you out. Then suddenly you sort of popped up out of the QRN, and we hooked up almost immediately. As Jim Bennett said in his e-mail, it was a tough one tonight!

Niel, good luck and Happy Holidays. Will look for you again.

72/73,
--Doc/K0EVZ QRP-L #861

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: ROYGREGSON@aol.com
Subject: [7546] Power out
Message-ID: <961231015856_1956348261@emout02.mail.aol.com>

Hi Gang....I lost power Saturday from 10AM to 11:45PM. (Pacific Northwest Storm !) when I checked back into the qrp-1, read mail, printed ones to be answered, deleted the rest, and signed off.....The pile of "printed" e-mail was just a stack of blank sheets. don't know what happened, but I'm not really ignoring anyone, just have no idea who sent e-mail so could you resend

?

Thanks 72's/73's Roy

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: Jeff Grudin <grudin@pacific.vdbs.com>

Subject: [7574] Pwr Connectors and Stuff

Message-ID: <32C95B91.21F2@pacific.vdbs.com>

I want to thank everyone for the info on the power connectors. I was able to stop on my way home and pick up the right ones and they are happily residing in my new tuner/SWR bridge. I hope to finish wiring it and give it a try tomorrow.

I also want to thank you guys for some info on a tool that I probably would never have had a second look at. I needed to make a square hole in the faceplate of the tuner for the LED bargraphs. I purchased an inexpensive nibbler at radio shack with the understanding that I could return it if it didn't work. I didn't think it would. Well I don't know what expensive ones are like but it cut through the panel with ease and made the best looking square hole I've ever made despite previous carefull filing.

If anyone hasen't tried this tool it is a definite winner. And I learned about it here on qrp-1.

Too bad it is too big for those qrp slide switches. Hmm...

--

73 de Jeff AC6KW

grudin@vdbs.com

QRP-L #16

Private Practice : Companion Animals and

Exotics

Norcal QRP #1292

Ocean Animal Clinic / Cat Clinic of Santa

Cruz

Santa Cruz,

California

QRP'ers do it with less energy (but lot's of enthusiasm)!

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: Dave.Ackrill@westwood45.powergen.co.uk
Subject: [7592] QRP Beacon transmission
Message-ID: <961231201014Z*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB@MHS>

Thank you to everyone who listened and sent a report, even if my transmissions on 30M were inaudible.

On suggestions from other "G" stations (who reported not hearing the signal either) I'm swapping over to 80M at 20:00 GMT. Probably around 3.565 MHz, but I will call QRL? and listen first of course.

Power will be 3W again and aerial will be a low 80M dipole.

Any reports appreciated.

Happy New Year and 72 de Dave (G0DJA)

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Pete Rossi <wa3nna@resuba.com>
Subject: [7545] QRP BEACONS - NEW YEARS DAY
Message-ID: <199612310623.BAA10108@resuba.com>

ANNOUNCING the ultimate QRP beacon challenge! Paul, AA4XX and I will both be running QRP beacons at the same time on New Years Day 7AM - 3PM EST.

----- 40 METER QRP BEACON ANNOUNCEMENT -----

START TIME : 7AM EST 1 JAN 97 (1200 UTC)

END TIME : 3PM EST 1 JAN 97 (2000 UTC)

AA4XX BEACON:

FREQUENCY : 7022 KHz

OUTPUT POWER : Continuous 100 uW except for 2 minute 500 mW spotting strings sent at 7AM, 10AM, and 1 PM

LOCATION : Raleigh, NC

MESSAGE : "VVV 100uW <4 letter codeword repeated 10 times> de AA4XX/B"

ANTENNA : 1) 80M Off Center Fed Dipole up 60 feet with 450 ohm ladderline.
On 40M this antenna presents a 4-lobe cloverleaf pattern
firing NE, SE, SW, NW from North Carolina.

2) 2 Element 40M Wirebeam up 60 feet. This is a phased
wirebeam firing a unidirectional lobe either North or
South, with optimal coverage of W4,W3,W2,W8, and VE3 Land,
and some gain into W1 territory.

Both antennas will be switched regularly to give all
call areas a shot at copying the beacon. The wirebeam will
also be switched from N to S regularly.

Optimum time for East Coast Stations to copy will be
from 7:30 AM EST - 11AM EST, based on many trials
with KA3WTF and K7SZ in Northeast PA.

RIG : Wilderness Sierra
Beacon Keyer: Super CMOS II

WA3NNA BEACON:

FREQUENCY : 7017 KHz

OUTPUT POWER : Power will cycle though 5 different levels, 2 minutes at
each power level; 4 minutes at the 100 uW level.

-----	MINUTES PAST THE HOUR -----					POWER LEVEL
00-02	12-14	24-26	36-38	48-50		1 W
02-04	14-16	26-28	38-40	50-52		100 mW
04-06	16-18	28-30	40-42	52-54		10 mW
06-08	18-20	30-32	42-44	54-56		1 mW
08-12	20-24	32-36	44-48	56-60		100 uW

Each level represents a 10 dB drop from the higher level.

These times should be very accurate, however, keep in mind that
the power level will not change to the next level until the
previous message has finished sending.

LOCATION : Newtown Square PA FM29hx (about 15 miles west of Philadelphia)

MESSAGE : VVV VVV xx MW <4_letter_code_word> DE WA3NNA/B QRP

Sent at aprox 15 WPM. Unique codeword for each power level.
The codeword will be repeated THREE TIMES at the 100 uW level.

ANTENNA : 40 meter coax fed inverted-vee center @ 50' running north/south

REPORTING : Please send all AA4XX beacon reports to aa4xx@amsat.org

Please send all WA3NNA beacon reports to beacon@resuba.com

Detailed signal reports, receiver and antenna info, etc are very much appreciated but PLEASE do not bury your codeword reports inside a lot of lengthy text. It takes forever to extract the information that way.

So, PLEASE include a separate text block with your report containing the following information for the lowest power level copied:

YOUR CALL
YOUR NAME
YOUR LOCATION (If different than callbook server address)
CODEWORD & POWER LEVEL
DATE/TIME
SIGNAL REPORT

Canadian and other DX stations, please send long/lat coordinates of your location.

Certificates acknowledging the lowest power level at which you correctly copy the codeword will be available. Jerry, W4UK, who produced the certificates for past beacons has offered to produce them again for this one.

Details will be posted with the summary report which will be posted a few days after the beacon session, once all reports have been received.

Please spread the word about this beacon through whatever means available.

Good luck & 73 & Happy New Year,

Pete Rossi - WA3NNA QRP-L #459
wa3nna@resuba.com
beacon@resuba.com

Paul Stroud - AA4XX
aa4xx@amsat.org

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: camqrp@cyberg8t.com (Cam Hartford)
Subject: [7604] QRP Contest Calendar
Message-ID: <199612312222.0AA18852@key.cyberg8t.com>

Gang -

I have assembled a calendar of Contests sponsored by QRP organizations. The calendar is located on the ARCI Web page (<http://www.duke.edu/~djohnson/arci.html>) and I'll update it from time to time, as needed.

If you or your organization has an event which needs to be posted to the calendar, please e-mail me the info. QRP contests have grown in number in recent years, hopefully this calendar will help us keep our dates sorted out.

Thanks and Happy New Year,

Cam Hartford, N6GA
QRP ARCI Contest Manager

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [7596] QRP ground-wave propagation
Message-ID: <Pine.OSF.3.95.961231143903.24190A-100000@duke.usask.ca>

What is the best band for QRP ground-wave propagation?

Brian.

```
+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
```

+-----+
| A Thought for Christmas: |
| The only decent thing to do behind someone's back is pat it! |
+-----+

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: jerryh@webzone.net (Jerry Henshaw)
Subject: [7518] Reciprocal License for Jamaica
Message-ID: <01BBF68E.5CAC3840@pm6.ppp165.webzone.net>

Hi Gang,

The XYL and I are planning a trip to Jamiaca during the first half of January 1997. Do I have time to get a reciprocal license? If so, what is the process.

Thanks in advance.

73's

Jerry Henshaw
KR5L / QRP
jerryh@webzone.net

ARCI 9165, QRP-L 847, NORCAL 1999
49er, ARK 20, Wilderness Sierra, (Soon 38 Special)

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: SYDV00A@prodigy.com (FLOYD SMITHBERG)
Subject: [7534] ScQRPion Meeting
Message-ID: <199612310444.XAB23792@mime4.prodigy.com>

Attention all ScQRPions!

Saturday Jan.4, 1997 will be the first meeting of the new year and will be held as usual at:

Luby's Restaurant (Next to HRO)
1933 W. Dunlap
Phoenix, AZ Time: 1030 AM til?

Agenda: 1) Show-and-Tell all your new toys that Santa brought.
2) Same for new projects...completed or not.
3) Finalize FYB0
4) Swap stories about contests, dx etc.

- 5) Plan 1997 TTF, FD etc.
- 6) Lunch
- 7) Continue 1-5 as long as it's fun.

Bring a friend, a ScQRPion wannabe, XYL, SYL.....

Remember, no officers, no bylaws, no dues, just a congenial ham get together.

Floyd NQ7X Phoenix ScQRPion dm33uq

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: "J. Skalski" <jskalski@acsu.buffalo.edu>

Subject: [7608] TEFLON super hookup?

Message-ID: <Pine.GS0.3.93.961231174121.264A-100000@conciliator.acsu.buffalo.edu>

I started a lot of email with the post about hookup wire being available.
To make things simpler....In response to the majority of requests.....

I have a super pak of TFE stranded wire:

superpak set @\$44/set . (10)rolls each set,50ft wire/roll plus 2 feet
mini TFE coax.(shipping 2 day mail included)

The wire is TFE stranded silver plated Mil spec
MIL-M-16878D /TYPE E 200degree C/ 600V

Won't melt when you solder it. Above pak has 10 different colors (no
choice of colors)

This should take care of the majority of builders needs.
To take advantage of the "superpak offer" mention it by name.

Happy holidays to all on QRP-L

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: QRPDave@aol.com

Subject: [7552] TenTec Model 1202 SWR Bridge/kWattmeter

Message-ID: <961231034504_1922803768@emout09.mail.aol.com>

I am considering building the TenTec Model 1202 SWR Bridge and RF Wattmeter for use with my QRP rigs. The rating for the Model 1202 is 20/200 Watts.

Can any of you fine fellows tell me what adaptations I need to make to it in order to have a meter that will be accurate with watt levels of say, 500 milliwatts to 5 watts? Please give me a simple explanation, as I am a relative rookie at all this. I have had some experience building kits, however, and hope to be able to use this one. Thanks and the Happiest of New Years to all of you! 73, Dave Smith KE6PUF--QRPDave@AOL.COM

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: Influential Technologies <influtec@execpc.com>

Subject: [7609] Thank You's and Happy '97

Message-ID: <Pine.SOL.3.95.961231173101.1031A-100000@earth>

I just wanted to thank all of the list members who were so helpful in providing me with information on the R2 / T2. It was very helpful indeed.

Also I would like to wish all of you a safe and Happy New Year.

See you all in '97.

Christopher A. Pasbrig
INFLUENTIAL TECHNOLOGIES 414-392-5118
North Prairie, WI 53153 influtec@execpc.com

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: Bruce Rattray <RATTRAY@siast.sk.ca>

Subject: [7526] W8KC

Message-ID: <9058492130121996/A28503/RIEL/11ACF56F0400*@MHS>

Hi Al!...thanks for the e-mail...well looks like the fox slipped by me again
.....HI HI...oh well, gives me a chance to practice copying cw...HAR!...
I need the practice....Happy New Year to you and yours Al!...73 Bruce(VE5RC)
QRP-L#886 ...see you next year.
"QRP! - How sweet it is!"

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Bruce Rattray <RATTRAY@siast.sk.ca>
Subject: [7523] W8KC?
Message-ID: <7304152130121996/A28455/RIEL/11ACF54D1F00*@MHS>

Anyone heard W8KC?...been listening since 0200Z...the fox is quiet...
73 - Bruce (VE5RC) QRP-L#886
"QRP! - How sweet it is!"

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "Frank, G3YCC" <g3ycc@enterprise.net>
Subject: [7575] Web site
Message-ID: <199612311809.SAA16491@mail.enterprise.net>

Sorry my web site is not playing - don't know why not! Will try and
sort it out after the new year. Maybe a change of server is in the
offing!

Happy new year all!

-----72/3-----

Frank, G3YCC G QRP Club 042 QTHR (Kirk Ella, Nr Hull)
QRP Web Site: <http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: VE3JC John <jbcumming@wwdc.com>
Subject: [7606] [Fwd: Re: Tuners (long diatribe)]
Message-ID: <32C99713.A11@wwdc.com>

X-Mozilla-Status: 0001

Message-ID: <32C9968C.2AD3@wwdc.com>

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Bob Patten <n4bp@shadow.net>
Subject: [7588] Re: 50 States..FSFD FLORIDA
Message-ID: <Pine.SOL.3.91.961231150346.11252A-100000@hyper>

On Tue, 31 Dec 1996, Jim Hydzyk wrote:

> Fine on your work schedule. No problem. Pick whatever you want to run
> and we'll roll with it. Happy to have you on for whatever time you can
> spare. Think about it and e-mail back when you can...I'll take care of
> posting it to the reflector.
>

Hi Jim, Here's what I've figured out. Let me know if you think there is a better band/freq combination for the period from 1-7 PM EST...

1 - 4 PM EST 14.058
4 - 5 PM EST 10.115
5 - 7 PM EST 7.038

I'll plan to call "CQ WAS" as suggested...

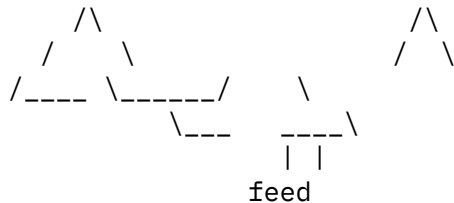
73 & Happy New Year!

Bob Patten, N4BP
Plantation, FL
n4bp@shadow.net

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: kt3a@juno.com
Subject: [7556] Re: Antenna Question
Message-ID: <19961231.081858.5415.3.kt3a@juno.com>

Scott,

I've been using a variation of the loop that WA4KAC wrote up in last years FDIM at Dayton.
What I did was put a loop in the attic, running the wire along the eaves and peaking it up at the gables.



My attic is 28 feet square and about 6 foot high.
The antenna is fed with 450 ohm window line (balanced).
It is matched to the transmitter with a St. Louis Tuner.
I've found it to be resonant at 7.038 MHz. Using the tuner,
I can match most bands except 20m and the CW part of 10m.
It is quiet and only picks up electrical clicks from light switches thrown on.
I used the idea that more wire is good, and since I am using a tuner, did not worry about measuring anything.
I am lucky since the only metal up there is the electrical wiring for the bathroom fans and the furnace vent pipe (which I tried to load as well!). Be encouraged, I've made 2 way attic antenna QSOs already, QRP of course. That is a safety issue, and I

plan on only running QRP with the attic antenna.

72, Cam, kt3a

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [7598] Re: Antennas!!!!!!
Message-ID: <Pine.SOL.3.94.961231160132.21965B-100000@utkux4.utcc.utk.edu>

On Tue, 31 Dec 1996, Craig J. Sterling wrote:

> 3) Any thoughts on using insulated antenna wire vs bare. L.B., our
> resident antenna "mavin" suggested no advantage due to a reduction in
> resonant freq due to lower velocity factor of the insulated wire.
> Doesn't acid rain and air pollution cause bare copper antennas to
> corrode thus building resistance and lowering efficiency? I live in an
> urban area with moderate pollution and have always felt my antennas
> performed better when new and CLEAN! Shouldn't an antenna made from
> insulated wire also be quieter and last longer? I'm sounding like an
> advertisement for "Antennas West"! NOT!

All depends. . .on a number of things. If you leave a wire antenna up for 10 years, the corrosion will likely cause it to fall apart anyway. If you drop your antenna once or twice a year and a. clean the wire, b. recheck all connections, and c. check the feedline at the antenna junction for weather damage, then you will have good copper. I'd do the same for insulated wire, since insulation weathers, cracks, melts, and other things. Connections need periodical checking--both the mechanical and the electrical ones. Hence, I was assuming a good maintenance schedule for the antenna when I suggested no significant difference between insulated and uninsulated wire. You would not drive your car for a year without checking the oil, water, belts, and hoses from time to time. Antennas deserve the same care--and give good service when they receive it. If they do not get good periodic care, they are under orders from Murphy to come apart during storms, freezes, and anything else unpleasant for their human caretakers.

Happt New Year to you and your antennas. (It pays to talk nicely to them as well--Murphy listens. . .)

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Phil Wheeler <w7ox@ix.netcom.com>
Subject: [7533] Re: Club Station License Lookup
Message-ID: <32C8A28B.BE8@ix.netcom.com>

Y0u can get the FCC FTP files each morning from the day before. They are daily ZIP files (e.g., MON.ZIP) and get overwritten on a weekly cycle.

After unzipping, the file you waant to check is CRM.DAT. The format is a bit byzantime (they are data base files) but you can dope it out -- and crm.dat is generally a very short file.

Phil W70X

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: k5zty@juno.com (WILLIAM A STIETENROTH)
Subject: [7537] re: Coil forms
Message-ID: <19961231.052132.5247.2.k5zty@juno.com>

There was a thread a while back about using available material for coil forms. I have had one standing over in the corner for a while that I didn't even notice. My Black Widow pole came in a very strong cardboard tube about 2" id. A couple of coats of polyurethane inside and out for moisture control and it is a good strong form for my modified SLV coil.
72,
Bill, K5ZTY

WITHOUT CW, IT'S JUST CB
ARCI 8817, CQC 178, NOR-CAL 1321, MI 1472, NE 440
QRP-L 473

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Ed Pacyna <pacyna@auratek.com>
Subject: [7569] Re: Curtis Keyer Chip - Has been sold
Message-ID: <9612311637.AA06281@galaxy.auratek.com>

The package has been spoken for.

Oh good golly yes! The address for Fair Radio Sales is...
Fair Radio Sales Co.
P.O. Box 1105
1016 East Eureka Street

Lima, OH 45802

fax: 419-227-1313

vox: 419-223-2196

419-227-6573

hours of operation: Monday thru Friday: 9 a.m. to 5:30 p.m. EST

Saturday: 9 a.m. to 1 p.m. EST

The headsets in question (H140B/U, 300 Ohms) cost \$17.95 + postage
(handling/dealer prep/tags/undercoat/sports accessory door trim extra)
Don't forget Ohio Sales tax if you're in Ohio. If you're not in Ohio, you're
not in Ohio, which means that you don't have to worry about the tax 'cause
you're not in Ohio. Got that?

Have you ever intended to harm any ribs?

Oops, I thought I was back in the Org running the joberg on some new wogs.

73

Nils

WB8IJN +c

I do intend to hold off on hitting the medication & the whiskey tonight so
that I may participate in the 30 Meter (ARE YOU OUT OF YOUR MIND!!!!????!?!?!?)
QSO party/contest/hippie dance/magic festival of flashing lights my hands are
melting in four part harmony/whatever. So... "He lurks... from out of the
mist.... jello salad.... marshmallow rabbits.... reciprocal
licensing....Port-aux-Basques.... Newfoundland.... Vikings.... paper
dolls.... sequin capes with.... celery sticks peanut butter....
wolves.... the squid.... ate your... chicken...."

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: Art Searle <w2nra@netusa.net>

Subject: [7555] Re: FOX HUNT: Dec 31st!

Message-ID: <32C91104.75A8@netusa.net>

I agree! There was no fox Monday night! Nothing heard
here!

72 es Happy New Year de Art

--

Art Searle, W2NRA [ex WU2K], ARRL Life Member, QRP-L #524
QRP ARCI #9123, DXCC MX & CW HR, NRA Benefactor Life Member
NRA Certified Firearms Instructor, Fight for your rights!
Join the NRA now! <http://www.nra.org/>

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [7586] Re: Hamstick Dipole

>From: highland@cityscape.net
>Several weeks ago someone mentioned a Hamstick Dipole, This sounds
>like a good antenna for tight quarters!! Does anyone have an details
>on this? Is it a 50 ohm feed? Is there a commercially made bracket?
>What kind of results does it get QRP? de KA9KQH, Dwayne Terry

Hi Dwayne, Let's take a look at reality. An 80m mobile Hamstick is about 1% efficient - that's 99% lossy. A Hamstick dipole is about 16 ft long. The coils are lossy. It would be better to put up as long a dipole as possible, hopefully longer than 16 ft. If you use loading coils, make them as high-Q as possible. Feed it with 450 ohm window line and match it with a low-loss parallel capacitor at the proper point across the transmission line. It doesn't take much effort to improve upon 1% efficiency. For less money than two Hamsticks, one can have a magnitude better antenna. Remember 2 watts times 0.01 equals 20 milliwatts.

73, Cecil, W6RCA, 00TC

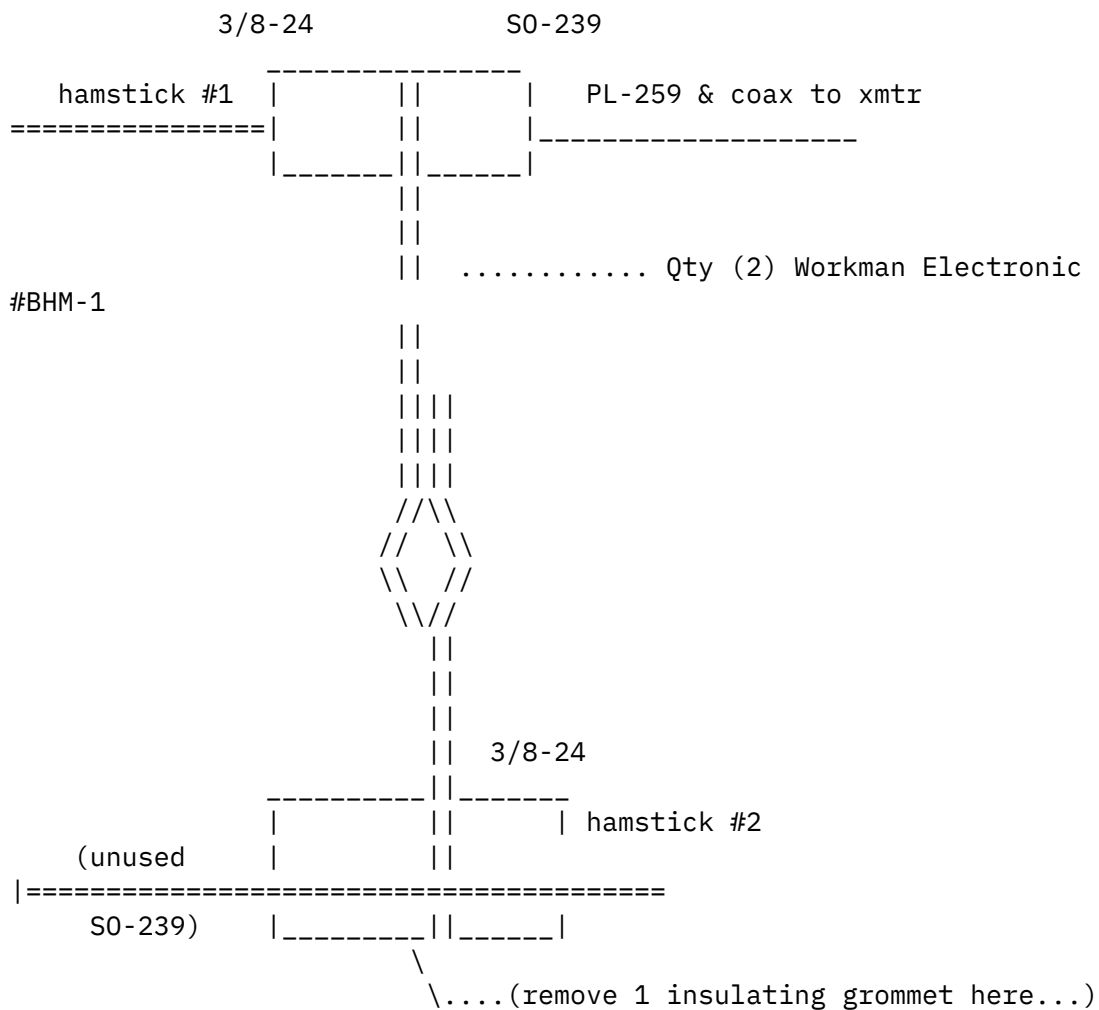
From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: WA8GHZ /5 Jack Dougherty <jdougher@wt.net>
Subject: [7557] RE: Hamstick Dipole ???
Message-ID: <32C949A0.3D7A@wt.net>

Two comments:

1. I agree, the Proam sticks give me better performance, and tune better (I have both for side-by-side testing). I use the 40M Proam version in my QRP mobile setup. I make consistent contacts with the Proam, but not with the 'original'. Had a nice 45 minute QRP Mobile QSO last night from Houston to Detroit and received a 579 through that stick which is on a mag mount on the back of my electric banana yellow 79 Caddy (one of the world's great counterpoises). Rig is Emetch NW40.
2. The brackets for my stick dipole (2 required) are \$4.95 each at my local store by Workman Electronic of Delta Ohio, Part BHM-1. They are "HORIZONTAL MIRROR BRACKETS". I noticed Radio Shack sells the same thing, but for \$9.95.

Plans are below. Take 1 insulating grommet off one side, leave one

grommet on the other side, or else there will be a short circuit, and not an antenna. Connect up with a S0-239 connector, mount to your porch railing, a small TV rotor in your attic, a piece of EMT conduit for a mast, etc..... Have fun!



--
 WA8GHZ /5 / === o === o === o o === o
 Jack /Houston / "I know the guy who built my radio."

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
 From: Ken Lopez <kjlopez@earthlink.net>
 Subject: [7572] Re: Hamstick Dipole ???
 Message-ID: <32C8A0CC.7ABB@earthlink.net>

Jeffrey L Greer wrote:

> I am currently using a "hamstick dipole" on 40 M.
> I have two PHF series monobanders hooked together with a DAK
> dipole mount bracket, also on page 173.

I was looking at their ad in one of the mags, and wondered, why not use four whips to create two dipoles, mounted on a boom to make a helical two element beam? With the current pricing, a 2 el could be constructed for under \$100, and it would be fairly small and unobtrusive.

How about someone with antenna modelling software doing a workup to determine spacing?

Ken, N6TZV

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: dgf@netcom.com (David Feldman)
Subject: [7573] Re: Hamstick Dipole ???
Message-ID: <199612311752.JAA17260@netcom13.netcom.com>

Ken Lopez <kjlopez@earthlink.net> writes,

>Jeffrey L Greer wrote:

>

>> I am currently using a "hamstick dipole" on 40 M.
> I have two PHF series monobanders hooked together with a DAK
>> dipole mount bracket, also on page 173.

>

>I was looking at their ad in one of the mags, and wondered, why not
>use four whips to create two dipoles, mounted on a boom to make a
>helical two element beam? With the current pricing, a 2 el could be
>constructed for under \$100, and it would be fairly small and
>unobtrusive.

>

Just as a comment - I see frequently in the Japanese ham mag "cq ham radio" pictures of people using what appear to be a pair of trap verticals mounted "V" style, at about 120 degree spacing. Even my friend JL7CLE uses this configuration for HF portable (field day style...)

Another configuration I'd be interested in seeing modelled is four hamsticks (two each for two different bands) mounted at 90 degree spacing radially from a central mounting point, flat-top style. Maybe even six sticks (2 each for 3 different bands) at 60 degree spacing. These would all be interesting

things to model (but I have no idea how to do this...)

73 Dave WB0GAZ dgf@netcom.com

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: rob3ert@juno.com (Robert G. Parks)
Subject: [7538] Re: Headphones, heptodes and hepcats...Or something
Message-ID: <19961230.210000.8982.1.rob3ert@juno.com>

OK, Nils---but what is the impedance of the phones???

Bob Parks
K6AEC (Las Vegas)
QRP-L#630
NorCal#1771

On Mon, 30 Dec 1996 21:52:59 -0500 NilsBull@aol.com writes:
>I just wanna waste time and offer my suggestion for the best damn
>headphones.....

> Good phones. And no hum
>like
>them 8 Ohm puppies from Radio Shack.
>
>73
>Nils
>WB8IJN +c
>
>

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: ed.welch@cheaha.com (ED WELCH)
Subject: [7570] Re: Ice and antennas-first significant experience
Message-ID: <8CF31C2.00040012FF.uuout@cheaha.com>

-> The ice was beautiful but problematic. I lost 3 trees outright, one
-> large corkscrew willow and 2 medium Japanese maples. Five
-> others, mostly 30 feet tall birch trees, bent completely to the
-> ground. The G5RV was anchored in one so it's a very low height
-> antenna now. The Butternut got completely encased in ice and
-> bent 90 degrees by a birch tree before I removed it from the
-> ground. It's just a little bit bent at the base...easy fix.

^^^^^^^

Sounds like ya'll took a pretty good lick there Stephen, but at the end of the paragraph your grand Amateur Spirit is shining through! :)

-> This was a bad storm but thank goodness we haven't had any
-> high winds near our QTH. With our saturated ground, any winds
-> will just blow down the trees which cause major major problems.

Very true. When Hurricane Opal blasted through south Alabama we had been deluged with heavy rain for ~3 days prior.....devastating to the trees when the 100+mph winds roared through here. Incredible damage to the forests and pecan orchards here.....the trees just didn't have anything to hold on to.

Good luck with the clean-up es be careful with the chainsaws.
The New Year is just around the corner....have a GREAT ONE!!!

72/73

Ed Welch KF4KRV

QRP-L #873

Luverne, Alabama

Crenshaw County - Grid EM61

```
+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
```

> Isn't "time" a 4-letter word? <

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: Ed Tanton <n4xy@avana.net>

Subject: [7548] Re: KA5UJC

Message-ID: <3.0.32.19961231023205.00978470@tiger.avana.net>

For goodness' sake take him off... anyone who can't spell "of" or "now" is... well... too upset for his own good... take him off before he hurts himself or something with all that anger!!!

At 03:21 PM 12/30/96 -0500, Jim Eshleman wrote:

>> >TAKE MY EMAIL ADDRESS OFF YOUR LIST. I AM TIRED IOF TELLING YOU TO STOP THIS STUFF.

>> >UNSUBSCRIBE ME NIOW NOW!!!!

>> >

>> >EARL OSTER, KA5UJC

>>

>> I have some sympathy for the person trying to unsubscribe. Until

>[...]

>
> No, this is wrong. There is absolutely no excuse for this kind of attitude
> here because
> - This is not the VHF reflector or some other list
> - There is a Digest format
> - There is a "welcome" message which does correctly show how to
> unsubscribe
> - The addresses of the list owners are given in the "welcome" message
> - The list owners put a lot of time and effort into keeping the list
> running smoothly
> - The list members (such as you, Dave) and the list owners are more than
> willing to help folks with any problem they may have, even if it's
> not related to the list
>
> I removed KA5UJC from the list promptly as soon as I saw his post.
> A politely worded private (or public) message would have accomplished the
> exact same result just as quickly. I don't know who he was tired of telling
> "STOP THIS STUFF"....
>
> It's not fair to judge QRP-L because of some bad experience one may have had
> on some other reflector, just as it's not fair to judge a band or freq or net
> (and take an attitude) because of some bad experience one may have had on
> a 2M
> repeater, or 75M phone, or 7.040 :-), or whatever. I can only assume that
> people that have this kind of attitude via e-mail would do the same on the
> air....
>
> Thanks for listening.
>
> 73
> Jim N3VXI
>
>
>
72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX
189 Pioneer Trail
Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140
NORCAL#1779 NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: talljazz@teleport.com (Dan Presley)
Subject: [7611] Re: Music
Message-ID: <v01530502aeef228fc1fa@[206.163.124.17]>

Monte-let me know if you can't find the freq. for D below C. Somewhere I have this info. The tuners that I use are designed for any instrument and are chromatic-showing any note you play into them. On sale for about \$35 around the holidays, and Korg is the best brand. Good luck. What's a sentence you'll never hear in the music business? "where's the banjo player's Porsche parked?"
Dan N7CQR (I have 2 banjos in pieces waiting for me to build them!)

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: NilsBull@aol.com
Subject: [7520] Re: New Years Eve QSO Party 1996/97
Message-ID: <961230215254_2020423744@emout11.mail.aol.com>

Byron said "How about a New Years Eve QRP-L QSO party on 80m, 40m and 30m."
And then came the deluge....

Whew! I can hardly wait to see this one rung up again. A QSO Party on 30 Meters! Are you OUT OF YOUR MIND?????!!!! Good Lord, man, think of the children! Think of the badgers! Think of those who were sacked because of the moose! On THIRTY MEEEEEEETERSSSS? What were you thinking?????!!!!

Sounds like a good idea to me. Hope I can (a) remember and (b) stay up that late and (c) remember and (d) remember and (e) remember and (376565.6554/A101/B) remember.

Now, what were we talking about?

73
Nils
WB8IJN +c

"I'm not bizarre enough." Mr. Greaser. (it's a movie, see... called Greaser's Palace... around 1972... them crazy hippies... you shoulda been there.... Old Blevins...)

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "M. Monninger" <markem@primenet.com>
Subject: [7524] Re: New Years Eve QSO Party 1996/97
Message-ID: <1.5.4.32.19961230201737.00f2b4dc@mailhost.primenet.com>

At 09:52 PM 12/30/96 -0500, after an extra dose of medication, Nils wrote:
> ...
> Now, what were we talking about?
> ...

Damned if I remember. I'm waiting to hear more about the moose...

Or was it mousse??

Have a good one.... Mark AA7TA

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [7529] Re: New Years Eve QSO Party 1996/97
Message-ID: <Pine.OSF.3.95.961230221940.7957A-100000@duke.usask.ca>

On Mon, 30 Dec 1996, M. Monninger wrote:

> At 09:52 PM 12/30/96 -0500, after an extra dose of medication, Nils wrote:
> > ...
> > Now, what were we talking about?
> > ...
>
> Damned if I remember. I'm waiting to hear more about the moose...
>
> Or was it mousse??

My sister was once bitten by a moose. No reli. (Sri I learned Morse Code listening to computer generated CW from Monty Python's Holy Grail.)

I've read all 4 radio lessons and am anxious to read some more. I am also helping another ham study for his "advanced". It feels odd to be an Elmer after only one year ;-). I think about the "pass it on" creed and try my best to help.

Thanks to all those who have been involved in creating the lessons and all

those who have taken the time to answer my questions.

Brian.

```
+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
+-----+
| A Thought for Christmas: |
| The only decent thing to do behind someone's back is pat it! |
+-----+
```

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: k5zty@juno.com (WILLIAM A STIETENROTH)
Subject: [7536] Re: New Years Eve QSO Party 1996/97
Message-ID: <19961231.052131.5247.0.k5zty@juno.com>

Byron,
Sounds like a great idea to me. The final and first events of the years.
'work it in with straight key night.
72,
Bill, K5ZTY

WITHOUT CW, IT'S JUST CB
ARCI 8817, CQC 178, NOR-CAL 1321, MI 1472, NE 440
QRP-L 473

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Jerry Meng <renbo@mail.chinapro.net.cn>
Subject: [7541] Re: Norcal 40A schematic SORRY
Message-ID: <3.0.32.19961231135452.006b01ec@mail.chinapro.net.cn>

Sorry, Brian:

I check the file I got in my harddisk, it is the schematic of Norcal 39
acturely. I am really sorry about that, hope someone else can help.

At 11:52 AM 12/26/96 -0600, you wrote:
>Thanks for the offer. I could not find the schematic on the Norcal
>page.
>> At 11:13 PM 12/25/96 -0600, you wrote:

>> >Is this on the web? I am told it has a good VFO design and I would like
>> >to learn from it.
>> try this http,
>>
>> <http://www.fix.net/norcal.html>
>>
>> You can find the schematic in the old project. I believe. If you can't find
>> it,
>> drop me a mail, I can attach the gif file to you.

Jerry Meng, BA1FB

<mailto:ba1fb@amsat.org>
<http://www.srsnet.com/~ba1fb>

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Gene Marcus <mmarcus@hiwaay.net>
Subject: [7567] RE: P.C.Electronics
Message-ID: <01BBF702.6533A7E0@max1-72.HiWAAy.net>

P.C. Electronics
2522 Paxson Lane
Arcadia, CA 91007-8537
(818) 447-4565

73...Gene W3PM GM4YRE
mmarcus@hiwway.net

From: J.B. Fox[SMTP:w5hir@mail.phoenix.net]
Sent: Monday, December 30, 1996 11:51 AM
Subject: P.C.Electronics

Does anyone have the address of P.C. Electronics???

Thanks,

Foxy w5hir

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Joel Malman <malman@BBN.COM>
Subject: [7583] RE QRO CB'ers
Message-ID: <199612311933.0AA268787@nss2.CC.Lehigh.EDU>

Interesting reading, for sure. But does anyone doubt that CB'ers are just plain using the ham bands? I hope you all don't believe the CB'ers stay on the assigned CB frequencies.

I hear them on all the time. Low frequency 80 meters is a fav place. Heard a real good one this past weekend during the RAC contest.... There was a VE3 calling CQ on lower sideband on the 40 meter CANADA phone band at about 7050 kc. when who should answer.. a K4 on SSB from North Carolina (he says) sporting a new EXTRA call. You could tell the VE3 could not believe a word the K4 was telling him. Except when the K4 admitted he knew nothing about the RAC contest. Ahhhh, sounds like another CB'er with a ham rig and no clue...

/joel wa1qvm (concord, ma)

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [7516] Re: QRO CB's and why QRPers should care
Message-ID: <Pine.SUN.3.90.961230155830.2557A-100000@vortex.sage.dri.edu>

On Mon, 30 Dec 1996, Brian.Buydens@usask.ca wrote:

> Which reminds me, yesterday I heard a comedian who speculated that the
> space aliens were red-necks anyway...

Wow, that means there is hope for this country yet.....when the rest of you all catch up with technology, you'll become red-necks too!!! :-)

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: "M. Monninger" <markem@primenet.com>
Subject: [7517] Re: QRO CB's and why QRPers should care
Message-ID: <1.5.4.32.19961230183751.0091aae8@mailhost.primenet.com>

At 05:01 PM 12/30/96 -0500, it was written:

> ...

>It may come to the point where "we" (the hams) make a token offer to "buy"
>the ham bands "at auction."

> ...

Why must the entire RF spectrum be "sold"? How about leaving some for the general public to use in the same way that public lands are? Surely it isn't too much to ask to leave a few crummy megahertz for the general, taxpaying public.

Mark AA7TA

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: AE0Q / V31RY <v31ry@ix.netcom.com>
Subject: [7550] Re: QRO CB's and why QRPers should care
Message-ID: <2.2.16.19961231004719.2927b5c4@popd.ix.netcom.com>

>From: km1h

>To: mgipe@reliablemeters.com; qrp-1

>Subject: Re: QRO CB's and why QRPers should care

>Date: Mon, 30 Dec 1996 17:51:31 PST

>

>I have a hard time understanding what you wrote or even what you meant

>Mike. Let me clear some very serious errors in your posting.

<snip>

>3. The FCC did not ban amplifiers based upon power, but on gain. Thus
>the National NCL-2000 was killed because it could be driven to full power
>with as little as 20W. There is absolutely nothing to prevent any company
>from selling an amp that could boost 5W to 50W or even 100W....AS LONG as
>it could not operate on 11M out of the FACTORY. And met stage gain and
>spectral purity regulations. The real reason you dont see small amps is
>pure economics. The RF amp itself is cheap but the mandated filtering and
>associated switching circuitry would make it a poor seller at best.

<snip>

>73....Carl KM1H

Carl, here is a copy of a message from Ten Tec today, in response to a topic on the Ten Tec reflector about HF and 6m amplifier kits, and why they don't make any! I think it explains the FCC issue..

>To: BDrum5555@aol.com
>From: "Ten-Tec Inc." <sales@tentec.com>
>Subject: Re: solid state kit
>Cc: tentec@akorn.net
>Date: Mon, 30 Dec 1996 16:13:37 Eastern Standard Time
>
>Hello all:
>
>At 07:25 PM 12/27/96 -0500, KF6BKH wrote:
>>Well Tentec what do you think? Its been one day and look at the response
>>that has
>>happened so far! I think a solid state HF amp would be great. Also I would
>>think a 6meter kit would be a biggggggggg seller. This would be a great
>>addition to go along with the T-kit 20-6m transverter. I have talked to TT
>>in the past about a 6m
>>amp and they say that FCC rules would not allow such an amp. If that is so
>>then why are there other companies making these amps. Come on TT lets build
>>these kits!!!!!!!!!!!!
>

Reply from Ten Tec:

>The 6 meter amplifier law, to rehash, is this: The FCC will not type
>accept a linear amplifier for sale for use below 144 MHz that is driven
>to full rated output with less than 50 watts of drive power. That is
>also why you do not see QRP HF linears for sale (like "5 in, 50 out" etc.)
>You're thinking, yeah, but, XYZ sells one like that, and so does....
>The answer is that they are in violation of the law, but the FCC is not
>enforcing it at this time.
>
>This includes offering the amplifier in kit form.
>
>If the FCC changes the law, we would certainly give a 6 meter amplifier
>consideration as a future kit project.
>
>73, Scott Robbins W4PA at Ten-Tec
>

If W4PA is saying it right, the FCC doesn't care about gain, they care about 5w CB rigs being able to drive ANY amp, regardless of its output power! So we lose, as usual..

Happy New Year! -- Glenn

Another month ends... All targets met, all systems

working, all customers satisfied, all staff eager and enthusiastic. All pigs fed and ready to fly.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [7581] Re: QRO CB's and why QRPers should care
Message-ID: <199612311914.NAA28583@multi13.netcomi.com>

Morning, Carl.

Thanks for your comments.

>
> I have a hard time understanding what you wrote or even what you meant
> Mike. Let me clear some very serious errors in your posting.

Instinctively, I reached for my asbestos underwear before I remembered that the toxic waste folks confiscated it last year. Then I glanced down the page and realized that you and I were pretty much in agreement afterall.

> 1. It is perfectly legal to produce a xcvr or tx at any power
> level...even 1500W. As long as it could not operate on 11M in the USA.

Absolutely correct, thank goodness. However, my point was that certain levels did not make economic sense, because of FCC restrictions on external amplifiers.

> 2. Many current HF xcvrs operate at 150 or 200W output; I havent a clue
> where you get the wild idea of 100W. Yes, many do run only 100W too.

No doubt there are exceptions, or maybe I've just had blinders on. It just seems that every HF transceiver that I have been remotely interested in over the last 15 years was spec'ed at 100 watts. Besides, 200 w is within 3 dB, and can be considered equivalent as far as amplifiers are concerned. Ten watts is a different story.

> There were also QRP offerings from Kenwood and Yaesu at least that went
> nowhere. Mainstream hams were not then and are not now into QRP.

Exactly my point. Only QRPers would buy a rig that can't be increased in power. Therefore, it does not make market economic sense to sell a 20 watt rig, because mainstream hams know they cannot buy an amplier to bring it up

to 150 watts (or even 1.5 kW), and won't buy it.

- > If a 25W
- > radio was illegal, please explain the Uniden 2510.

It is perfectly legal. Only an outboard amplifier would be illegal.

- > 3. The FCC did not ban amplifiers based upon power, but on gain. Thus
- > the National NCL-2000 was killed because it could be driven to full power
- > with as little as 20W. There is absolutely nothing to prevent any company
- > from selling an amp that could boost 5W to 50W or even 100W....AS LONG as
- > it could not operate on 11M out of the FACTORY. And met stage gain and
- > spectral purity regulations. The real reason you dont see small amps is
- > pure economics. The RF amp itself is cheap but the mandated filtering and
- > associated switching circuitry would make it a poor seller at best.

I rechecked the rule book last night. The relevant points are listed in FCC 97.317 and 2.815. The amplifier or amplifier kit must meet all spectral purity requirements when driven with 50 watts input power. It cannot operate between 24 MHz and 35MHz (further defined as meaning < 6 dB gain between 24 and 26 MHz and between 28 and 35 MHz, and 0 gain between 26 and 28 MHz). It cannot put out its designed output power with less than 40 watts input. Additionally, it cannot have more than 15 dB gain, AND if it is designed for less than 1.5 kW output, the allowable gain is reduced proportionally. Therefore, a 1.5kW amp must require at least 47.44 watts input (gain = 31.62), and a 250 watt amplifier must require at least 47.44 watts input (gain = 5.27), and a 40 watt amplifier must require at least 47.44 watts inputIt also cannot be designed with an input attenuator such that, if you removed it, the amplifier would work at lower input power. The bottom line is that it is clearly and explicitly illegal to sell an amplifier OR AMPLIFIER KIT that boosts 5 watts to 50 or 100 watts under 144 MHz.

- > 4. Which brings up another point..."Out of the Factory" is a total laugh
- > in rigs and amps. It takes 10 minutes or less to convert many current
- > xcvrs to general coverage transmit. It takes even less time to modify
- > Ameritron (aka MFJ) amps to full power on 10-11M (once the cover is off
- > it takes about 5 seconds!)

Stupid, isn't it.

- > This can even be done with their AL-1500
- > which runs 1500W at 65W of drive and can do 2500W+ at 100W of drive.
- > Your (sic) living in a strange world if you believe Joe Ham is turning
- > his rig
- > down to 65W!!

Actually, a properly set up system should automatically turn down the drive

with the ALC feedback to the transceiver. It is legally the ham's responsibility to make sure this is working correctly. Does Joe DX do this? I don't know. I've never been close enough to find out! My S-meter pins at 9+60 dB, so 1.5 kW or 2.5 kW all look the same on this end.

> And the CBers havent slowed down a bit in buying ham gear.

"I'm from the government, and I'm here to help."

>

> 5. The 100 level became popular because this is what many tubes required
> to run efficiently.

IN ORDER TO OUTPUT A kW! Tubes that put out 100 watts generally do not require 100 watts drive. However, it is illegal to sell a 100 watt amplifier for HF.

> A pair of 572B's, 3-500Z's, a single 3CX1200A7 or
> 3-1000Z, 2 or 3 swamped input 8874's such as Alpha used for years, etc.
> The FCC virtually forced the industry into grounded grid triodes because
> of stage gain restrictions and at the same time killed off high gain
> tetrode/pentode designs. The tetrode is just now making a comeback on
> HF with the heavily swamped grid designs afforded by some of the Russian
> tubes. The Alpha 91b is such an example that meets FCC nonsense.

As an engineer, I would much rather design around legal requirements than produce the most effective technical solution NOT!

>

> I will stop here since I dont care to belabor the QRO+ or CB issue in
> this forum. QRP "boosters" of 10-13dB gain is a different subject. There
> is a whole "orphan" world between pure QRP and the real world of 100W
> rigs.

You are absolutely right. In my opinion, the orphan world was created by the FCC rules on amplifiers.

> Which may be why there is such a huge demand for all those 20-75W
> tube rigs of the 50-60's....have you checked the prices for old Heathkit
> and Johnson gear lately?

I rest my case.

>

> 73....Carl KM1H

>

Thanks, Carl. I appreciate your comments. I suspect that you and I agree

more than we disagree.

Happy QRPing!

Mike K1MG

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: kd1jv@juno.com (Steven Weber)
Subject: [7599] Re: QRO CB's and why QRPers should care
Message-ID: <19961231.163221.4863.3.KD1JV@juno.com>

>>It may come to the point where "we" (the hams) make a token offer to
>"buy" the ham bands "at auction."
>> ...
>
>Why must the entire RF spectrum be "sold"? How about leaving some for
>the general public to use in the same way that public lands are? Surely it
>isn't too much to ask to leave a few crummy megahertz for the general,
>taxpaying public.
>
Because our goverment is run by greedsters and special intrest groups
with lots of money, who can buy any law they want and convince us to
elect the people who will do thier bidding. Then tell us it's for our
own good, after all they know best.. The public never did and never will
have much influence in what goes on. Money talks, everyone else
walks..(but pay up your taxes anyway...or else)

Anyway, the HF bands don't seem to be of much economic intrest any more, so pretty
soon they will give all that back to us. It's UHF and higher
that are valuable today, and for all I care, they can have everything
above 2 Meters. But then I don't have anything invested in
VHF/UHF/microwave gear. I'm sure people who do have something invested
in ATV, microwaves and UHF gear do care.

Maybe if a Ham band is taken away (sold), the "buyer" would also have to "buy
back" the gear Hams own for those bands (at original market value).
Hah, fat chance....

God, I sound like W2NSD...

Have a happy new year anyway....
de KD1JV Steve

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: AE0Q / V31RY <v31ry@ix.netcom.com>
Subject: [7600] Re: QRP ground-wave propagation
Message-ID: <2.2.16.19961231143551.3c777dce@popd.ix.netcom.com>

At 14:39 31-12-96 -0600, VE5RDV wrote:
>What is the best band for QRP ground-wave propagation?
>
>Brian.
>

Brian, that would depend on where you want to get to! The ground wave is a different length on each band, longer as you go down in frequency..

An article by Doug DeMaw W1FB in a 1985 QST has a chart showing distance vs frequency. On 10 meters it is about 12 miles, on 20m it's about 30 miles, 40m is about 45 miles, and 80m is 60 miles (they are approximate distances).

He points out that vertically polarized antennas are best for ground-wave, which is why commercial AM broadcast stations use vertical antennas (towers). That would also be why most CB antennas are ground planes (unless they're trying to work DX!).

Hope this helps..

Happy New year! -- Glenn

Another month ends... All targets met, all systems working, all customers satisfied, all staff eager and enthusiastic. All pigs fed and ready to fly.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Kevin Muenzler WB5RUE <wb5rue@amsat.org>
Subject: [7593] RE: RE QRO CB'ers
Message-ID: <01IDNV3VP6PYBY10Z5@ARWEN.UTHSCSA.EDU>

On Tuesday, December 31, 1996 8:32 AM, Joel Malman[SMTP:malman@BBN.COM] wrote:
>Interesting reading, for sure. But does anyone doubt that CB'ers are just
>plain using the ham bands? I hope you all don't believe the CB'ers stay

>on the assigned CB frequencies.

>

>I hear them on all the time. Low frequency 80 meters is a fav place. Heard a
>real good one this past weekend during the RAC contest.... There was a VE3
>calling CQ on lower sideband on the 40 meter CANADA phone band at about 7050
>kc. when who should answer.. a K4 on SSB from North Carolina (he says)
>sporting a new EXTRA call. You could tell the VE3 could not believe a word
>the K4 was telling him. Except when the K4 admitted he knew nothing about
>the RAC contest. Ahhhh, sounds like another CB'er with a ham rig and no
>clue...

>

>

>/joel wa1qvm (concord, ma)

>

>

Yep! Happens around here all the time. I had the pleasure of helping
shut one down last week. He was using a modified CB and what looked
like a truck-stop special amplifier. He was about 50kc wide!
So many bootleggers, so little time....

Happy New Years all!

Kevin, WB5RUE

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: NilsBull@aol.com

Subject: [7601] Re: RE QRO CB'ers

Message-ID: <961231164732_170677901@emout18.mail.aol.com>

In a message dated 96-12-31 14:35:40 EST, malman@BBN.COM (Joel Malman)
writes:

<< There was a VE3 calling CQ on lower sideband on the 40 meter CANADA hone
band at about 7050 kc. when who should answer.. a K4 on SSB from North
Carolina (he says) sporting a new EXTRA call. >>

Oh yessssssss! And since the bands are no longer enforced or enforceable,
what the hell. Let's all go down there and work some skip, y'all. Tell me it
don't happen and it'll show up on yer porch. But you have to choose: Kenworth
or Kenwood.

Have a nass dayee.

73

Nils

WB8IJN +c

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Alan Kaul <kaul@netcom.com>
Subject: [7544] Re: Reciprocal License for Jamaica
Message-ID: <Pine.3.89.9612302115.A29505-0100000@netcom2>

Jerry and the gang, let me tell you about my /6y5 experience!
It was in 1984 and my trip to Jamaica came together at the last minute.
I didn;t have the license in advance, but I knew the country was
HAM-friendly and so I took my 20M CW rig, antenna, tuner, etc., and set
off as an optimist.

Vacation Day 1

Jamaican Customs' Officers soon set me straight. They opened all the
suitcases of passengers on my incoming flight and when they found the rig,
they asked ''what's this?'' A hasty explanation, left my radio in the
Customs' Holding room and I was referred to the radio authority in
Kingston, the capitol, inconveniently located on the South Coast.
Unfortunately I was vacationing on the North Coast at Ocho Rios, where I
arrived by tourist bus at the end of the day. But all was not lost, the
hotel concierge gave me the information on catching a bus for Kingston
next morning. Aha, I thought, I'm as good as ''on the air.''

Vacation Day 2

Up at the crack of dawn, explained to my wife that she should enjoy the
pool or the beach and I would be back as fast as humanly possible.
And I was off like a shot for the bus stop. Long Ride! Lots of people
travelling to the capitol, and lots of stops to pick up and drop off
packages. But there by noon! Only to find the radio office closed! A
lunch of jerk chicken and back to the office after 2, and I was ready to
try for my DX-license as W6RCL/6Y5. After several explanations of ''we
don't normally do this in person'' I finally understood. Too bad I was
a little slow and naive, I might have been outof there in minutes!
The red tape disappeared as soon as the tip came out of my pocket.

But now it was late afternoon, too late to catch the bus back to Ocho
Rios, but that wouldn't have helped anyway -- my rig was at the Customs'
shed at the other end of the island. Fortunately it was not too
late to get to the airport for the regularly schedule domestic flight.

The aircraft was small (9-passenger, twin engine if I remember correctly).

Since the weather was threatening rain and dark clouds were dead ahead in our flight path, the pilot asked me to sit next to him and keep an eye on the radar! The airline didn't use co-pilots. I was flattered at the invite. The plane headed north and landed at an airport whose name I forget, but whose main asset was not the airport -- but the Customs' shed! It was raining hard by then, but I got my rig and got back in time for the next leg to Ocho Rios. And back to the hotel at dark, and found my wife in time for dinner. It was not a good night to set up the Ham station!

Vacation Day 3

Up early, rigged the vertical antenna off the balcony (we were on the 7th or 8th floor, and it was a great radio location!), I fired up the rig and proceeded to work a few stateside. The XYL took a picture which I sent to QST and it was published the next year! Best DX was a DL station. And only about 10 Q's in all. But with the pressure for more beach time and less radio time and a lot of the vacation already spent coming and going to get licenses and rigs, I thought I wouldn't push it.

Vacation Days 4-5-6

A few more Q's. But nothing worth writing home about. However, my time spent in transit trying to get a license and then getting back to the hotel taught me a valuable lesson about planning ahead!

Now, I know things might have changed since I was there. But in case they didn't, let's hope you're spending your vacation near Kingston -- because if you take the rig, it could save a lot of time!!

Happy holidays and best 72/73 de alan, ex-W6RCL/6Y5!

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: lhalliday@creo.bc.ca
Subject: [7607] Re: RSGB Books in U.S.?
Message-ID: <9611318520.AA852072591@mail2.creo.bc.ca>

Why not just get them from the RSGB and be done with it?

They take plastic over the phone (+44 1707 659015) and will send you any RSGB publication you want (www.rsgb.org has a publications catalogue). You just won't get the member discount I get. :-)

My QRP-related faves include the Radio Communication Handbook and G3VA's Technical Topics Scrapbook...

Laura Halliday VE7LDH	"C'est une femme mutine, assez
lhalliday@creo.com	elegante, grave et legere, ayant le
ve7ldh@amsat.org	sens du confort et du plaisir
Locator: CN89mg	en tout." - C. Deneuve

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: SYDV00A@prodigy.com (FLOYD SMITHBERG)
Subject: [7539] Re: ScQRPion Meeting
Message-ID: <199612310444.XAA23560@mime4.prodigy.com>

--[FORWARDED PRIVATE MESSAGE]-----

To: qrp-1@lehigh.edu
From: SYDV00A
Subject: SCQRPION MEETING
Date: 12/30/96 09:37 PM

Attention all ScQRPions!

Saturday Jan.4, 1997 will be the first meeting of the new year and will be held as usual at:

Luby's Restaurant (Next to HRO)
1933 W. Dunlap
Phoenix, AZ Time: 1030 AM til?

Agenda: 1) Show-and-Tell all your new toys that Santa brought.
2) Same for new projects...completed or not.
3) Finalize FYBO
4) Swap stories about contests, dx etc.
5) Plan 1997 TTF, FD etc.
6) Lunch
7) Continue 1-5 as long as it's fun.

Bring a friend, a ScQRPion wannabe, XYL, SYL.....

Remember, no officers, no bylaws, no dues, just a congenial ham get together.

Floyd NQ7X Phoenix ScQRPion dm33uq

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: NilsBull@aol.com
Subject: [7594] Re: swap:new scout
Message-ID: <961231150600_778517719@emout15.mail.aol.com>

Oh boy, Les. You are dedicated! I'd bet that Ten Tec would do that swap for you. Might even give you a couple band modules, seein' 's how the price of the Argo is about 50 bucks less than the Scout.

Funny thing is, I'd probably like to have Scout. But then I'd want two or three more band modules and then I'd want more and then I'd want a real antenna and then I'd want to sell this house and move to the tropics where I could put up all kinds of antennas and be DX and then I'd want to go to all kinds of weird places besides the tropics and be DX and then I'd probably get arrested at some border for looking like I was trying to smuggle some DX in or out of some totalitarian bribe-mill and then I'd have to find some real DX to bribe my way out of the place and then I'd go home to the tropics and want to sell that place and move into a nursing home where they have tapioca after dinner and you don't have to hide your personal belongings in a safe with your medication and those little milk cartons that you get with your meal trays which are always delivered late and you have to save the milk 'cause it has special powers when you keep it on the window ledge behind the curtain where the aliens who come by every now and then to work some DX can see that you live there and they pick you up and go to some galaxy where you are DX again. See?

73
Nils
WB8IJN +c

Mr. Greaser: "Koo-koo... I just wish that I could put my arms around every one of them and tell them that everythings going to be alright."
Koo-koo: "So why don'tcha, see?"
Mr. Greaser: "I'm not bizarre enough."

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: ori@juno.com (Ori K Mizrahi-Shalom)
Subject: [7551] RE: TiCK
Message-ID: <19961230.234410.4367.5.ori@juno.com>

> If there is a problem with the keyer chip, when should we order one for
> the 38 special?

Rich,

Talking with Gary and Brad from Embedded Research, I know they still have not received the chips from the manufacturer, that's the bad news. The good news are that there is no old stock of "bad" chips! The TiCK keyer that anybody will receive will have all the updates I mentioned. Gary and Brad are developing one version only. The collaboration with the "38 Special" project just helped "polish" their already good design. I sure recommend it.

ORI AC6AN

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Roy Boggs <rboggs@pcc-uky.campus.mci.net>
Subject: [7597] RE: Tuners (long diatribe)
Message-ID: <2.2.32.19961231205851.006760dc@pcc-uky.campus.mci.net>

First let me say that the tuner thread is my yearlong favorite.

Jim K4CGY wrote:

>My view has always been (1) cut the dipole and tune it to resonance on
>primary band (2) use the tuner or a balun to connect to rig (3) operate and
>enjoy (4) don't worry if pattern in not the textbook figure 8. (5) with
>tuner tune for the higher frequency bands (6) see 3&4 above.

This has been my policy since becoming a ham in March 94 and have worked tons of DX on 80, 40, 30, and 20, operating at first with a 1KW amp and now with as little as 10 mw stateside. Never can seem to work all the stations I want to for lack of time - not the antenna! However, in a SSB QSO with a very knowledgeable guy on 7.275, I now learn that my centerfed wire, ladderline, McCoy voltage balun, and Heathkit SA2060A tuner is about the worst station one could have. Of course this was confirmed during discussions on here about baluns. So, using one of those disgusting 4:1 low impedance voltage baluns (hostile environment for a tuner), an extremely lossy C-L-C T match tuner (I should be balancing currents with a Richard Measures balanced L instead) I have now decided that I am entirely inadequate for ham radio operation. Now enough sarcasm out of me. Which leads me to what L.B had to say:

>From L.B.:

>Sometimes, the battle to acquire knowledge is even more frustrating than
>the battle for QSOs.

This describes me exactly. Now everyone knows why we cling to every word

L.B. utters. I now have the plans from the Measures article and intend to build at first a PVC pipe version of with alligator clip leads and give it a whirl; if okay move up to the roller inductor version. Meanwhile, I have ordered Roy's Z-Match kit and intend to take it for a spin (and just finished reading Charlie's good stuff on the Z). Oh, I have also built a PI from parts from Paul which works very good - great in fact. My St. Louis Tuner (another one of those ghastly T's) is off to Bob Kellogg for his 'Witt' testing, and my MFJ 945 (oh no..another T) sits collecting dust.

Why bore you with this littany? I'm not finished - I have read and re-read articles on this balun business by Seveck, Lewallen, and the Handbook, both of Frank Witt's articles on tuners, eyeballed Zack Lau's design, and on and on. Have I reached any conclusions? Not on your life. Sure the winning types are emerging, but I have never been more frustrated in my life. Why do I, a mere tenderfoot with no background for this stuff, have to sort it out and spend a fortune in the process? I DO want to know 'how' and 'why', but I also want to pound brass once in a while!

Shame on ARRL, with the fine laboratory they have to evaluate stuff, and given that the theory dates back to before when I was born ('55), why can't they tell us which *@#\$\$ tuner is best for the various types of antennas by category? For example, why can't someone say unequivocally that the [blank} tuner has the most to offer with centerfed wires (and here say clearly which is superior: a Balanced tuner with balun on the input, or Unbalanced of some variety, with a balun!!!) Same with baluns - Ruthroff and Guanella were punching calculators before I was born and now 42 years later no one agrees on the transformer issue.

One thing is clear: For years all the tuner manufacturers have been pumping out T's and telling us they are great for all our needs, yet creeping around in the cellar is our wise old Masters of RF whatchamacallit saying "Grasshopper, you have been mislead, but first you must learn all there is to know about this stuff, and spend a fortune in the process on books and hardware, to reinvent the wheel. Then you will just have to decide which is best FOR YOU!!" How can anything be more frustrating? There can't be but just so many ways for these currents/voltages to be measured and manipulated, for crying out loud. In this age of high tech computer simulations (landing on Mars), surely someone in our little quickly-aging hobby could sort this mess out!

I study this goobledy-gook subject daily..books and magazines everywhere..but it just ain't sinking in or something. So here is my suggestion: Let's lock L.B., Paul, Charlie, Roy, Cecil, and any others I might have missed, into a room and don't let them out 'till they build us a tuner we would die for. As you can tell by now, I have had too much coffee and Pepsi's.

This ain't a flame guys :-),

Roy KC40 Happy New Year to a simply wonderful group

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: VE3JC John <jbcumming@wwdc.com>

Subject: Re: Tuners (long diatribe)

Roy Boggs wrote:

> Ruthroff and Guanella were
> punching calculators before I was born and now 42 years later no one agrees
> on the transformer issue...

Being the same age as you, Roy, I can assure you that R. and G were not punching
calculators before you were born - twiddling slide rules, maybe ! Let's not
forget
how much fun it was to do antenna calculations in the days before Vic 20's and
pocket
calculators !

Happy new year !

VE3JC - JOHN CUMMING

192 WELLINGTON ST. DELAWARE, ON CANADA, N0L 1E0

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996

From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

Subject: [7566] Re: Tuners: A little perspective

Message-ID: <Pine.SOL.3.94.961231100459.18474I-100000@utkux4.utcc.utk.edu>

On Tue, 31 Dec 1996, someone wrote:

> In another vein, does it really matter? How many of us can get an antenna
> feed with balanced line up high enough to not have the pattern distorted by
> height (or lack of it) and close by objects. Therefore does the additional
> distortion by MODERATE unbalance really matter?
> My view has always been (1) cut the dipole and tune it to resonance on
> primary band (2) use the tuner or a balun to connect to rig (3) operate and
> enjoy (4) don't worry if pattern is not the textbook figure 8. (5) with
> tuner tune for the higher frequency bands (6) see 3&4 above.

>

In a sense, these views are correct--in another they are not: it is a matter of perspective on the questions of tuners and feedlines that have been discussed on this list.

IF one's aim is to operate only or almost only, then getting a working antenna up and running is the main goal. Then, the procedure above will work.

IF one's aim is to learn and to understand not only one's present antenna system, but the principles of antennas/feedlines/ATUs and the options for alternative antenna-feedline selections at HF, then a different procedure is needed.

By all means, start by getting an antenna up and operate to the max.

Next, ask questions, study, look at alternatives, and strive to understand all that there is to be known about antennas, feedlines, and tuners. Do not accept anyone's statements if you are not 100% certain you understand them. Ask questions. Propose analyses that reflect your understanding so that someone with more experience can show you where the analysis is on target or perhaps left of center. Do not be afraid to make statements that are wrong--otherwise you may hide a misunderstanding that will get in your way later. All this can be done with due reservation, rather than being asserted as gospel (=authoritative good news).

>From this latter perspective, all of the discussion has only scratched the surface of what we may all learn about antennas, feedlines, and ATUs. There is so much more to be learned, understood, and mastered to the degree that it is everyday operating information for us. Some of it needs repeating, perhaps in a slightly different context, to illuminate how the ideas tie together. (This is a technique--double presentation, but in different contexts--that I have used successfully for 30 years in teaching at all levels, both in and out of amateur radio contexts.)

If you want to know more, do not let those who wish only enough knowledge to operate intimidate you into thinking that you cannot know or do not need to know. You can know how height affects antenna patterns. You can know how feedline imbalance is likely to affect your operation. You can know what principles to apply to alter your antenna pattern either by making use of feedline imbalance or by eliminating it. Will such knowledge increase the number of contacts? Perhaps, perhaps not--for that may also depend on operator skills which are honed by operating. But you will know some things you wanted to know, and that is valuable in itself.

Sometimes, the battle to acquire knowledge is even more frustrating than the battle for QSOs. Some folks have very limited antenna space and very limited feedline options. As they learn more, they get frustrated over

the many wonderful ideas they cannot implement. Sometimes they think that their stations are substandard. (This last is especially not true: a station is certainly not substandard if the operator is using the best equipment he/she can devise, afford, and maintain with the best antenna/feedline system that circumstances will permit. Someone's else's Cadillac station does not make my Plymouth outfit substandard; only different.) But the aquisition of knowledge--and a little patience--can often turn up the ingenious combination that does yield significant improvements, all within those same old circumstances.

So bring on the pie and the tea and let's have a party and discuss PI and Tee and anything else that will help us learn a little bit more. Those not interested may hit the delete button--or already have.

Here's to an info-filled 1997.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: w2gum@juno.com (anthony j colaguori)
Subject: [7580] Re: Tuners: A little perspective
Message-ID: <19961231.141602.8223.0.w2gum@juno.com>

HI LB,

Just had an idea, (just a crazy idea)

.

How do you think the following antenna configuration would work?

Crossed dipoles, (made of mobile whip antennas) Horizontally polarized, and fed thru a phasing section (half wave of co-ax) Years ago I remember seeing that system used at VHF. I would think the pattern would be very close to being omni-directional' It might work out well for portable contest work. Another variation might be to use a couple of full size inverted V dipoles, fed in the same way,.

In line with your line of thinking, I keep trying to come up with different antenna ideas, perhaps one day it will be the one I'm satisfied with, and in the mean while I may have learned some thing new.

Want to wish you and the family the best of NEW YEAR GREETINGS.

Colaguori W2GUM.

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: [7560] Re: Tuners: PIs
Message-ID: <39148.owen@apollo.eeel.nist.gov>

In message Mon, 30 Dec 1996 15:05:15 -0800,
jeffa@ix.netcom.com (Jeff Anderson) writes:

>

> P.S. Does anyone know how much current imbalance can be tolerated
> before an antenna's radiation pattern is significantly changed?

>

In another vein, does it really matter? How many of us can get an antenna feed with balanced line up high enough to not have the pattern distorted by height (or lack of it) and close by objects. Therefore does the additional distortion by MODERATE unbalance really matter?

My view has always been (1) cut the dipole and tune it to resonance on primary band (2) use the tuner or a balun to connect to rig (3) operate and enjoy (4) don't worry if pattern is not the textbook figure 8. (5) with tuner tune for the higher frequency bands (6) see 3&4 above. 72/73 Jim K4CGY
qrp-1 #72

From owner-qrp-1@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [7585] Re: Tuners: PIs

>From: jeffa@ix.netcom.com (Jeff Anderson)

>P.S. Does anyone know how much current imbalance can be tolerated
>before an antenna's radiation pattern is significantly changed?

Hi Jeff, It's pretty intuitive. If the antenna is balanced then, by definition, all the common mode current is radiated before it gets to the antenna. Since most transmission lines are primarily vertical, the common mode radiation is likely to be vertically polarized and omni-directional. My present 102' dipole has about 15% imbalance.

I once had an antenna with lots of common mode current (RF in the shack). My Elmer helped me clean it up. After eliminating the RF in the shack, much to my dismay, my DX contacts dropped off considerably because I had eliminated the vertically polarized low-angle radiation.

73, Cecil, W6RCA, 00TC

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [7527] Re: W8KC
Message-ID: <Pine.SUN.3.90.961230195529.3317B-1000000@vortex.sage.dri.edu>

On Mon, 30 Dec 1996, Bruce Rattray wrote:

> Hi Al!...thanks for the e-mail...well looks like the fox slipped by me again

Nothing heard from W8KC here either. Thought I might have heard something once but not sure.

Heard some from AZ and CA work him, but with many repeats.

>HI HI...oh well, gives me a chance to practice copying cw

And good practice there was about fox time.....at 7031ish. Running along about 35 wpm or so.....good, clean sending.

> I need the practice

Practice is like something else.....you can never get enough!

cul,

(Nothing heard from Neil, the N/T fox either).

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Tue Dec 31 18:02:19 1996
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>

Subject: [7531] Re: W8KC

Message-ID: <961231043809_70511.3041_IHD40-4@CompuServe.COM>

Monte:

Well, glad *someone* could hear and work him. Absolutely nada here during two solid hours of QRN and QRM (minus 5 minutes to go work the N/T FOX).

Guess band condx were as bad as I can remember. Oh well, maybe next time!

Happy Holidays.

72/73,

--Doc/K0EVZ QRP-L #861